



SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN
(Affiliated to the University of Madras)
Chennai 600 099, Tamilnadu.

1.1.3. The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment.

Verified and Certified Documents

Metric No. : 1.1.1 – Course Plan

Page No. : 02 To : 1010




Principal

PRINCIPAL
SOKA IKEDA COLLEGE OF ARTS
AND SCIENCE FOR WOMEN
CHENNAI - 600 099

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN



DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS

LESSON PLAN FOR ODD SEMESTER

JUNE 2018 – OCTOBER 2018

NAME OF THE STAFF: Dr. M. ABILA MARSELIN

SUBJECTS HANDLED

CLASS	SUBJECT CODE	SUBJECT NAME
I B.Sc	TAC1A	MECHANICS & PROPERTIES OF MATTER
I B.Sc	SNREC	BASIC PHYSICS
II B.Sc	TSSEG	PERSONALITY ENRICHMENT
III B.Sc	TAC5A	NUCLEAR AND PARTICLE PHYSICS
III B.Sc	TAC62	PHYSICS PRACTICAL - III

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS UG/PG JUNE 18 – NOV 18

Year : I / H / III Subject : MECHANICS & PROPERTIES OF MATTER Subject Code : TAC1A Subject i/c : Dr. M. ABILA MARSELIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
02/07/2018 to 06/07/2018 1	2	I Impulse & Impact Rigid body Dynamics	<u>Reduced Mass:</u> <ul style="list-style-type: none"> • Diagram • Description • Derivation for reduced mass • Motion between two interacting bodies 	Test conducted	Completed	<u>ABL</u>
02/07/2018 to 06/07/2018 1	2	I Rigid body Dynamics	<u>Rigid body Dynamics:</u> <u>Compound Pendulum:</u> <ul style="list-style-type: none"> • To find the period of oscillation • Diagram • Description • Derivation for period of oscillation 	Test conducted	Completed	<u>ABL</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
09.07.2018 to 13.07.2018 2	2	I Rigid body Dynamics	<u>Equivalent Simple pendulum:</u> <ul style="list-style-type: none"> • Concept and definition for equivalent simple pendulum. • Derivation of simple pendulum. 	Test conducted	Completed	<u>Atk</u>
09.07.2018 to 13.07.2018 2	2	I Rigid body Dynamics	<u>Reversibility of Centres of oscillation and suspension:</u> <ul style="list-style-type: none"> • Definition for centre of oscillation • Definition for centre of suspension 	Test conducted	Completed	<u>Atk</u>

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS - UG/PG JUNE 18 - NOV 18

Year: I/II/III Subject: MECHANICS & PROPERTIES OF MATTER Subject Code: TAC 1A Subject i/c: Dr. M. ABILA MARSELIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
16.07.2018 to 20.07.2018 3	1	I Impulse & Impact	<u>IMPULSE AND IMPACT</u> <u>Impulse:</u> The product of force and time is called impulse. • Impact • Laws of impact	Test Conducted	Completed	<u>AKL</u>
16.07.2018 to 20.07.2018 3	1	I Impulse & Impact	• <u>Direct impact between two smooth spheres.</u> → Definition for impact → Diagram → Description → Derivation	Test Conducted	Completed	<u>AKL</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
23.07.2018 to 27.07.2018 4	1	I Impulse & Impact	<u>Oblique impact between two smooth spheres:</u> → Definition for oblique impact → Diagrams for oblique impact → Description → Derivation for velocities and directions.	Test Conducted	Completed	<u>Atul</u>
23.07.2018 to 27.07.2018 4	1	I Impulse & Impact	<u>Loss of K.E due to oblique impact of two smooth spheres:</u> → Definition for oblique impact → Diagrams for oblique impact → Derivation for finding loss of K.E due to oblique impact.	Test Conducted	Completed	<u>Atul</u>

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS UG/PG JUNE 18 – NOV 18

Year : I / V / III Subject : MECHANICS & PROPERTIES OF MATTER Subject Code : TAC1A Subject i/c : Dr. M. ABILA MARSELIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
24.07.2018 4	1	I Rigid body Dynamics	<u>Determination of g & k:</u> <ul style="list-style-type: none"> • Diagram, Description • Procedure • Graph • Calculation of g and k 	Test conducted	Completed	<u>Ab</u>
25.07.2018 4	1	I Rigid body Dynamics	<u>Centre of mass:</u> <ul style="list-style-type: none"> * Definition <u>Velocity & Acceleration of Centre of mass:</u> <ul style="list-style-type: none"> * Definition, diagram, description * Derivation 	Test conducted	Completed	<u>Ab</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
27.07.2018 4	1	I Rigid Body Dynamics	<u>Determination of motion of Individual particle:</u> * Derivation <u>System of Variable Mass:</u> * Diagram * Description * Derivation	Test conducted	Completed	<u>Ablo</u>
30.07.2018 5	1	III Elasticity	<u>ELASTICITY</u> Introduction <u>Hooke's Law:</u> * Definition <u>Stress:</u> * Definition <u>Strain:</u> * Definition	Test conducted	Completed	<u>Ablo</u>

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DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS - UG/PG JUNE 18 - NOV 18Year: I / II / III Subject: MECHANICS & PROPERTIES OF MATTER Subject Code: TAC1A Subject i/c: Dr. M. ABILA MARSELIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
01.08.2018 5	1	<u>III</u> Elasticity	<u>Elastic Constants:</u> * Definition * Derivation of γ, K & <u>Expression for poisson's ratio in terms of elastic constants:</u> * Derivation	Assignment	Completed	2/8/18
03.08.2018 5	1	<u>III</u> Elasticity	<u>Workdone in stretching and twisting a wire:</u> * Derivation <u>Torsional Pendulum</u> * Determination of n	Test conducted	Completed	2/8/18

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
06.08.2018 to 10.08.2018 6	3	<u>III</u> Elasticity	<u>Twisting Couple on a cylinder:</u> * case of solid cylinder or wire * case of hollow cylinder	Test Conducted	Completed	10/8/18
13.08.2018 to 17.08.2018 7	3	<u>III</u> Elasticity	<u>Rigidity modulus and moment of inertia:</u> * Diagram * Description	Test Conducted	Completed	14/8/18

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Year : I / II / III Subject : MECHANICS & PROPERTIES OF MATTER Subject Code : TAC1A Subject i/c : Dr. M. ABILA MARSELIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
20.08.2018 to 23.08.2018 8	3	<u>III</u> Elasticity	<u>Rigidity Modulus by static torsion:</u> * Diagram * Description * Derivation	Test	Completed	24/8/18
27.08.2018 to 28.08.2018 9	2	<u>IV</u> Fluid Dynamics	<u>FLUID DYNAMICS:</u> <u>Surface Tension:</u> * Definition * Angle of contact * Surface Energy	Test	Completed	28/8/18

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
28.08.2018 to 31.08.2018 9	3	<u>V</u> Fluid Dynamics	<u>Excess of Pressure over Curved surface:</u> * Excess pressure inside a liquid drop	Assignment	Completed	P 31/8/18
03.09.2018 to 08.09.2018 10	3	<u>V</u> Fluid Dynamics	<u>Excess Pressure inside a soap bubble:</u> * Diagram * Procedure * Derivation	Seminar	Completed	P 8/9/18

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

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Year : I / II / III Subject : MECHANICS & PROPERTIES OF MATTER Subject Code : TAC1A Subject i/c : DY. M. ABILA MARSELIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
10.09.2018 to 12.09.2018 11	2	<u>V</u> Fluid Dynamics	<u>Determination of Surface Tension by Jaeger's Method:</u> * Diagram * Procedure * Derivation of T	Test	Completed	12/9/18
13.09.2018 to 15.09.2018 11	2	<u>V</u> Fluid Dynamics	<u>Application to Spherical Drops:</u> * Diagram * Description * Derivation of Surface Tension	Test	Completed	15/9/18

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
17.09.2018 12	1	<u>V</u> Fluid Dynamics	<u>Application to cylindrical drops:</u> <ul style="list-style-type: none"> * Diagram * Description * Derivation of Surface Tension 	Test	Completed	17/9/18
18.09.2018 12	1	<u>V</u> Fluid Dynamics	<u>Application to bubbles (cylindrical & spherical)</u> <ul style="list-style-type: none"> * Diagram * Description * Derivation of Surface Tension 	Test	Completed	18/9/18

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Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19.09.2018 to 20.09.2018 12	2	<u>V</u> Fluid Dynamics	<u>Variation of Surface Tension With Temperature:</u> * Diagram * Concept * Derivation to find Surface Tension	Assignment	Completed	<u>20/9/18</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			<p>Books for Reference:</p> <p>(i) General properties of matter - C.J. Smith</p> <p>(ii) Fundamentals of Physics - D. Halliday, R. Resnick and J. Walker</p>			

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DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS - UG/PG JUNE 18 – NOV 18

Year : I / II / III Subject : BASIC PHYSICS (NME) Subject Code : SNREC Subject i/c : DR. M. ABILA MARSELIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
02.07.2018 to 06.07.2018 1	2	<u>II</u> Heat	<u>HEAT</u> <u>Variation of Boiling point</u> <u>With pressure</u> * Definition of Boiling point * Critical point * Triple point * Atmospheric Pressure * Examples		Completed	<u>Atk</u>
09.07.2018 to 13.07.2018 2	2	<u>II</u> Heat	<u>Pressure Cooker</u> * Pressure Cooking * Parts of pressure Cooker * Pressure release Methods * Accessories * Advantages * Capacity		Completed	<u>Atk</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
18.07.2018 to 20.07.2018 3	2	<u>II</u> Heat	<u>Refrigerator</u> <ul style="list-style-type: none"> * Principle * Components * Working * Heat Absorption Process * Refrigerator accessories * Coefficient of Performance 		Completed	<u>UHL</u>
25.07.2018 to 27.07.2018 4	2	<u>II</u> Heat	<u>Air Conditioner</u> <ul style="list-style-type: none"> * Cooling * Refrigeration cycle * Principle * Mechanism * Working 		Completed	<u>UHL</u>

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DEPARTMENT OF Physics with Computer Applications UG/PG JUNE 18 – NOV 18

Year : I / II / III Subject : BASIC PHYSICS (NME) Subject Code : SNREC Subject i/c : Dr. M. ABILA MARSELIN



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
30.07.2018 15	1	<u>II</u> Heat	<u>Bernoulli Principle:</u> <ul style="list-style-type: none"> * Definition * Principle * Decrease in fluid potential energy 		Completed	<u>File</u>
31.07.2018 15	1	<u>II</u> Heat	<u>Aeroplane:</u> <ul style="list-style-type: none"> * Principle * Basic parts * Mechanism * Working 		Completed	<u>File</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
05.08.2018 6	1	<u>IV</u> Geo & Medical Physics	<u>GEO PHYSICS & MEDICAL PHYSICS</u> <u>Earthquake:</u> <ul style="list-style-type: none"> * Basic Understanding * Elastic rocks * Seismology * Zone fault 		Completed	5/8/18
06.08.2018 6	1	<u>IV</u> Geo & Medical Physics	<u>Richter Scale:</u> <ul style="list-style-type: none"> * Size of earthquake - Base 10 * Definition 		Completed	16/8/18

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Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
16.08.2018 7	1	<u>IV</u> Geo & Medical Physics	<u>Thunder & Lightning:</u> * Cause of lightning and thunder. * Electric charge distribution through thunder storms.		Completed	
17.08.2018 7	1	<u>IV</u> Geo & Medical Physics	<u>Lightning Arrestors</u> * Damaging effects of lightning. * Working of Arrestors		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
22.08.2018 8	1	<u>IV</u> Geo & Medical Physics	<u>Cosmic Showers:</u> <ul style="list-style-type: none"> * Cosmic Rays * shower development * Interactions and particle productions. 		Completed	<u>23/8/18</u>
23.08.2018 8	1	<u>IV</u> Geo & Medical Physics	<u>X-rays:</u> <ul style="list-style-type: none"> * Production of x-rays. * Interaction with bodies. * Radiographic image. * Safety issues. 		Complete	<u>23/8/18</u>

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DEPARTMENT OF Physics with Computer Applications UG/PG JUNE 18 – NOV 18

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Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
30.09.2018 9	1	<u>IV</u> Geo & Medical Physics	<u>Ultrasound Scan - CT Scan:</u> <ul style="list-style-type: none"> * Principle * High-frequency * Sound waves. * Reflected probe. * Machine parts. 		Completed	<u>30/9/18</u>
30.09.2018 9	1	<u>IV</u> Geo & Medical Physics	<u>MRI Scan:</u> <ul style="list-style-type: none"> * Magnetic Resonance imaging * Principle * Working 		Completed	<u>30/9/18</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
06.09.2018 10	1	V Space & Communication	SPACE SCIENCE & COMMUNICATION: <u>Electromagnetic Spectrum</u> <ul style="list-style-type: none"> * classification * Wavelength * Radiowaves, microwave, infrared, visible, gamma rays. 		Completed	6/9/18
07.09.2018 10	1	V Space Science & Communication	<u>Radio Waves:</u> <ul style="list-style-type: none"> * Frequency - 10^4 to 10^{12} Hertz * Long distance Communication 		Completed	13/9/18

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Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
13.08.2018 II	1	<u>V</u> Space Science & Communication	<u>AM Transmission:</u> <ul style="list-style-type: none"> * Amplitude modulation. * Circuit diagram * Working of AM transmitter. 		Completed	14/9/18
14.09.2018 II	1	<u>V</u> Space Science & Communication	<u>FM Transmission:</u> <ul style="list-style-type: none"> * Frequency Modulation * Circuit Diagram * Principle & Working 		Completed	14/9/18

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
18.09.2018 to 19.09.2018 12	2	<u>IV</u> Space Science & Commu- nication	<u>AM & FM Reception:</u> * Radio Transmission * Circuit explaining AM & FM reception * Applications		Completed	<u>19/9/18</u>
			<u>BOOKS FOR REFERENCE:</u> ① Fundamentals of Physics, by Halliday, D, R. Resnick & J. Walker. ② Physics vol. I, II, III by D. Halliday, R. Resnick & Krane ③ Feynman Lectures on Physics by Feynman, Leighton, Narosa			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS UG/PG JUNE 18 – NOV 18

Year : I / II / III Subject : PERSONALITY ENRICHMENT Subject Code : TSSEG Subject i/c : Dr. M. ABILA MARSELIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
20.06.2018 to 22.06.2018 1	2	I Self disclosure	<u>CHARACTERISTIC OF SELF DISCLOSURE:</u> <u>BENEFITS OF SELF DISCLOSURE</u> <ul style="list-style-type: none"> * Definition * Knowing Yourself better * Liking yourself better * Being understood by others * Encouraging self disclosure. 		Completed	<u>AKL</u>
27.06.2018 to 28.06.2018 2	2	I Self Disclosure	<u>Appropriateness:</u> <ul style="list-style-type: none"> * Appropriate self disclosure can help you. <u>Self awareness:</u> <ul style="list-style-type: none"> * Ability of a person to know self awareness. 		Completed	<u>AKL</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
04.07.2018 to 05.07.2018 3	2	I Self Dis- closure	<u>Self disclosure & Feedback:</u> * sharing leads to trust. * Try to express your feedback. * Important behaviour for leaders.		Completed	<u>Atul</u>
11.07.2018 to 12.07.2018 4	2	I Self Dis- closure	<u>Tips of feedback:</u> * Feedback should be descriptive. * Feedback should focus on specific behaviour.		Completed	<u>Atul</u>

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DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS UG/PG JUNE 18 – NOV 18

Year: I / II / III Subject: PERSONALITY ENRICHMENT Subject Code: T3SE6 Subject i/c: Dr. M. ABILA MARSELIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
17.07.2018 to 18.07.2018 5	2	I Self Dis- closure	<u>Blind spot:</u> * Productive area to increase self awareness. * Care must be taken to avoid self emotional upset. * sensitive feedback.		Completed	<u>SP.L</u>
25.07.2018 to 26.07.2018 6	2	I Self Dis- closure	<u>'Hidden self' hidden area:</u> * Information or feelings which are known. <u>Exercises</u> * Natural ability * Aware of the ability * Fear that you have		Completed	<u>SP.L</u>



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
30.07.2018 to 01.08.2018 7	2	<u>II</u> Anger, Stress & Managing Feelings	<p>ANGER STRESS & MANAGING FEELINGS:</p> <p><u>Managing feelings:</u></p> <ul style="list-style-type: none"> * Related to health <p><u>Nature of Stress:</u></p> <ul style="list-style-type: none"> * Reaching out to others * Mourning & Grief * Adjust your attitude * A fresh start 		Completed	<u>Attah</u>
02.08.2018 to 03.08.2018 7	2	<u>II</u> Anger, Stress & Managing Feelings	<p><u>Important to Manage anger and Stress:</u></p> <ul style="list-style-type: none"> * They are psychological components. * They can be expressed in healthy ways. * Progressive Music relaxation * Anger can also be expressed 		Completed	<u>3/8/18</u>

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DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS - UG/PG JUNE 18 - NOV 18

Year : I / II / III Subject : PERSONALITY ENRICHMENT Subject Code : TSSEG Subject i/c : DR. M. ABILA MARSEHIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
07.08.2018 8	1	<u>II</u> Anger, Stress & Managing feelings	<u>Managing Stress through Social Support:</u> <ul style="list-style-type: none"> * Comforting People * Feeling of Security * Spending time with people * Benefit of having a sense * Coffee break with a friend * Helping at tough time 		Completed	21/8/18
09.08.2018 8	1	<u>II</u> Anger, stress, & Managing feelings	<u>Nature of anger:</u> <ul style="list-style-type: none"> * Anger is an emotional state. * Accompanied by psychological & biological changes. * Caused by external & internal events. * Intense fury & rage. 	Test	Completed	21/8/18



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
14.08.2018 9	1	<u>III</u> Interpersonal Effectiveness	<u>Guidelines for managing anger:</u> <ul style="list-style-type: none"> * Be aware of your anger * Calm Down * Do not ruminate over the situation * Keep a sense of humor * Avoid negative self talk * Increase +ve self talk 		Completed	
14.08.2018 9	1	<u>III</u> Interpersonal Effectiveness	<u>Dealing with an angry Person:</u> <ul style="list-style-type: none"> * Stay Calm * Accept the fact regardless * Time heals * Break the Loop * Kill with Kindness <u>Exercises</u>		Completed	

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Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
21.08.2018 9	1	<u>III</u> Interpersonal Effectiveness	<u>INTERPERSONAL EFFECTIVENESS</u> <u>Fear & Anxiety:</u> <ul style="list-style-type: none"> * Take time out * Worst that can happen * Expose yourself to the fear * Welcome the worst * Get real, Talk about it * Visualize, Go back to basics 	Test	Completed	22/8/18
21.08.2018 9	1	<u>III</u> Interpersonal Effectiveness	<u>Interpersonal Effectiveness:</u> <ul style="list-style-type: none"> * Share the credit * Behave friendly * Negativity * Avoid foul language * Panic is contagious * Honest & Straight forward * Good Listener 		Completed	22/8/18

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
21.08.2018 10	1	<u>III</u> Interpersonal effectiveness	Progressive Muscle relaxation: <ul style="list-style-type: none"> * Getting into comfortable position. * Tense the muscles in the face. * Technique of sensing specific muscle. * Noticing your breathing 		Completed	
21.08.2018 10	1	<u>III</u> Interpersonal effectiveness	Muscle Relaxation: <ul style="list-style-type: none"> * Notice the tension washing away. * You have more awareness * Notice the muscles in the upper back. * Tense the muscles in the feet. * Sense you are in safe place 		Completed	

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Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
22.08.2018 10	1	<u>III</u> Interpersonal effectiveness	<u>Guiding One's Self Esteem:</u> <ul style="list-style-type: none"> * Developing the skills * Develop your Self Confidence * Overcome conflicts * Control your emotions * Maintaining good relationship * Attaining healthy & happy life 	Test	Completed	<u>22/8/18</u>
22.08.2018 10	1	<u>III</u> Interpersonal effectiveness	<u>Avoid Self Blame:</u> <ul style="list-style-type: none"> * Support your family member * Do not focus attention * Long lasting disorder * Forgive yourself * Reason for the disorder * Forms of self rejection * Obsessive & Possessive needs 		Completed	<u>22/8/18</u>



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
25.08.2018 11	1	<u>III</u> Interpersonal effectiveness	<u>To Take Risks:</u> <ul style="list-style-type: none"> * Accomplish very little * Stop growing * Get stuck in a rut * Fullest Potential * Life will be boring * Create anything * Stop taking risks 		Completed	23/8/18
25.08.2018 11	1	<u>III</u> Interpersonal effectiveness	<u>Tolerating Failures:</u> <ul style="list-style-type: none"> * Worst Case Scenario * Don't jump in full force * Reach your greatness * Do not dwell on it * Mistakes & Failures * Talk to others * Surround with +ve people. 		Completed	23/8/18

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS - UG/PG JUNE 18 – NOV 18

Year : I / II / III Subject : PERSONALITY ENRICHMENT Subject Code : T3SE6 Subject i/c : DR. M. ABILA MARSELIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
26.08.2018 11	1	<u>III</u> Interpersonal Effectiveness	<u>Persisting & Celebrating Success:</u> <ul style="list-style-type: none"> * Gives you hope * Focus on your work * Gives you a platform * Celebrate publicly * Communicate your success * Create an employee of the month. 	Test	Completed	<u>26/8/18</u>
26.08.2018 11	1	<u>III</u> Interpersonal Effectiveness	<u>An antidote to stress, breathing:</u> <ul style="list-style-type: none"> * Divert your attention * Emotional disarray * Stop rumination * Soft addiction is momentary * Break from stressful thoughts 		Completed	<u>26/8/18</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
28.08.2018 11	1	<u>IV</u> Study Skills	<u>STUDY SKILLS</u> <u>Importance of study environment:</u> <ul style="list-style-type: none"> * Varies from person to person * Group studying resources and distractions * Choosing appropriate location * Decide atmosphere * Harsh bright light 	Test	Completed	
28.08.2018 11	1	<u>IV</u> Study Skills	<u>To increase Memory Power</u> <ul style="list-style-type: none"> * Visualizing - Technique for creating images. * Abstract & concrete ideas * Examples of Ancient history * Expanding applications in interactive multimedia 		Completed	

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS UG/PG JUNE 18 – NOV 18

Year : I / II / III Subject : PERSONALITY ENRICHMENT Subject Code : TSSEG Subject i/c : DR. M. ABILA MARSELIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
28.08.2018 41	1	<u>IV</u> Study skills	<u>Kinds of Visualization</u> * 8 types of Visualization <u>Types of Memory</u> * Sensory, Working on short & Long term <u>VER3 - A memory trick</u> * V - Visualizing * C - Concentrating * R -> Relating, Repeating, Reviewing	Seminar	Completed	✓
29.08.2018 11	1	<u>IV</u> Study Skills	<u>Studying Strategies</u> * SQ3R technique * Mnemonic devices <u>Improving Memory</u> * Visualize information * Memorizing <u>Memory & Studying</u> * Focus on materials * Avoid cramming * Elaborate & Rehearse		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
29.08.2018 11	1	<u>IV</u> Study Skills	<u>Memory Helpers:</u> <ul style="list-style-type: none"> * Write in Note book * Repetition of information * Catchy rhyme * Peg memory system * Loci Methods by Greeks and Romans. * Organizers, Supplements, Safeguards & Strategies 	Assignment	Completed	✓
29.08.2018 11	1	<u>IV</u> Study Skills	<u>Mnemonics:</u> <ul style="list-style-type: none"> * Learning technique * Translate information <u>Acronyms:</u> <ul style="list-style-type: none"> * Invented combination of letters * BRASS - Breathe, Relax, Aim, Sight, Squeeze 		Completed	✓

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS - UG/PG JUNE 18 – NOV 18

Year : I / II / III Subject : PERSONALITY ENRICHMENT Subject Code : TSSEG Subject i/c : Dr. M. ABILA MARSELIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
04.09.2018 12	1	<u>IV</u> Study Skills	<u>SQR3 Method:</u> * Survey, Question, Read, Recall and Review <u>Rhymes:</u> * Nursery rhymes with language activities. * Addition of Musical activities * Facilitate reading	Assignment	Completed	✓
04.09.2018 12	1	<u>IV</u> Study Skills	<u>Rhyming Ability:</u> * Identification task, * Rhymes decision task * Rhymes generation task <u>Memory helpers</u> * Sleep, nutrition, Exercise, +ve mindset, proper Environment		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
05.09.2018 12	1	<u>IV</u> Study Skills	<u>Cooperative Learning:</u> <ul style="list-style-type: none"> * Approach to organizing classroom activities * Structuring positive interdependence * Capitalize on one another's resources * Skills in Leadership 		Completed	✓
05.09.2018 12	1	<u>IV</u> Study Skills	<u>Pegging:</u> <ul style="list-style-type: none"> * Easy way to learn new things. * Work by making associations. * System of linking together to form series of images. 		Completed	✓

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS UG/PG JUNE 18 – NOV 18

Year : I / II / III Subject : PERSONALITY ENRICHMENT Subject Code : TSSEG Subject i/c : D.Y.M. ABILA MARSELIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
14.09.2018 13	1	<u>V</u> Goal setting & managing time	<u>GOAL SETTING/MANAGING TIME:</u> <u>Basics of Effective Goals:</u> <ul style="list-style-type: none"> * Challenging * Attainable * Specific * Time limited * Flexible * Positive 	Assignment	Completed	✓
14.09.2018 13	1	<u>V</u> Goal setting & Managing time	<u>Guidelines for Effective Goal setting:</u> <ul style="list-style-type: none"> * Keep Records * Devise Goals * Set Goals * Keep Goals * Set long & short term goals 		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
15.09.2018 13	1	V Goal setting & Managing time	<u>Steps for getting optimum results from goal setting</u> <ul style="list-style-type: none"> * Specific - state clearly * Measurable - set tangible goals * Achievable - goals need * Relevant - make sure * Time specific - time frame 	Test	Assignment Completed	✓
15.09.2018 13	1	V Goal setting & managing time	<u>Reason for Procastination</u> <ul style="list-style-type: none"> * Act of replacing * Avoid negative emotions * Avoid anxiety * Loss of Personal productivity * Opportunity to Escape 		Completed	✓

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS UG/PG JUNE 18 – NOV 18

Year : I / II / III Subject : PERSONALITY ENRICHMENT Subject Code : TSSEG Subject i/c : DR. M. ABILA MARSELIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
18.09.2018 1H	1	<u>V</u> Goal Setting & managing time	<u>Overcome Procastination:</u> <ul style="list-style-type: none"> * Stress - take more time to play * Overcome - Elimination, delegation, negotiation * Lack of motivation - Identify an inspiring purpose * Lack of skill - Educate, delegate or eliminate. 		Completed	✓
18.09.2018 1H	1	<u>V</u> Goal Setting & Managing time	<u>Priority management in office & college:</u> <ul style="list-style-type: none"> * Learn Creative tasks * Set due date for task * Schedule time in calendar * Use paper diaries * Do the important task * Break - 10 minutes 		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19.09.2018 14	1	<u>V</u> Goal Setting & managing time	<u>Exercises:</u> → What priority management do you adopt to have balanced life? → What are your short term and long term goals?	Test	Completed	✓
			<u>BOOKS FOR REFERENCE</u> ① Reaching out - Interpersonal effectiveness and self Actualization - D.W. Johnson. ② Training in Interpersonal skills - S.P. Robbins, Hunsaker, Phillips.			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS UG/PG JUNE 18 – NOV 18Year : I / II / III Subject : NUCLEAR & PARTICLE PHYSICS Subject Code : TAC5A Subject i/c : DR. M. ABILA MARSELIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
18.06.2018 to 19.06.2018 1	2	I General Properties of Nuclei	<u>General Properties of Nuclei:</u> * Nuclear Size * Nuclear charge * Nuclear Mass * Introduction of Nuclei		Completed	<u>off. l</u>
21.06.2018 1	1	I General Properties of Nuclei	<u>Determination of Nuclear radius - Mirror Nuclei Method:</u> * Definition of Wigner pair * Derivation of radius of Nuclei * Coulomb Energy		Completed	<u>off. l</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
27-08-2018 to 29-08-2018 11	3	<u>V</u> Elementary Particles	<u>UNIT : V</u> <u>ELEMENTARY PARTICLES:</u> * Introduction <u>Classification of Elementary particles:</u> * Baryons * Leptons * Mesons		Completed	✓
30.08.2018 to 31.08.2018 11	2	<u>V</u> Elementary Particles	<u>Fundamental Interactions:</u> * strong interaction * Weak interaction * Electromagnetic interaction * Gravitational interaction		Completed	✓

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS UG/PG JUNE 18 – NOV 18

Year : I / II / III Subject : NUCLEAR & PARTICLE PHYSICS Subject Code : TACS5A Subject i/c : Dr. M. ABILA MARSELIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
03.09.2018 to 05.09.2018 12	3	<u>V</u> Elementary particles	<u>Elementary Particle - Quantum Numbers:</u> <ul style="list-style-type: none"> * Baryon Number * Lepton Number * Strangeness Number * Hypercharge * Isospin & Isospin Quantum Number 	Seminar	Complete	✓
06.09.2018 to 07.09.2018 12	2	<u>V</u> Elementary particles	<u>Conservation Laws & Symmetry:</u> <ul style="list-style-type: none"> * Conservation of parity * Charge conjugation symmetry * Time Reversal symmetry * CPT Invariance 	Seminar	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
10.09.2018 to 12.09.2018 13	3	<u>V</u> Elementary particles	<u>Isospin:</u> <ul style="list-style-type: none"> * Explanation * Hypercharge * Isospin of Elementary particles 		Completed	✓
13.09.2018 13	1	<u>V</u> Elementary particles	<u>Strangeness:</u> <ul style="list-style-type: none"> * Explanation * Examples * Strong interaction * List of Strangeness and hypercharge for baryons & Mesons 	Test	Completed	✓

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS UG/PG JUNE 18 – NOV 18

Year : I / II / III Subject : NUCLEAR & PARTICLE PHYSICS Subject Code : TAC5A Subject i/c : Dr. M. ABILA MARSELIN

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
17.09.2018 to 19.09.2018 14	3	<u>V</u> Elementary particles	<u>Quark:</u> <ul style="list-style-type: none"> * Basic ideas * Electric charge & quantum Numbers * Baryons generated from three quarks * Quark Model 		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
			<u>BOOKS FOR REFERENCE:</u> i) Nuclear Physics by R.R. Roy and B.P. Nigam ii) Fundamentals of Elementary particle physics by Longo iii) Nuclei & Particle by Serge			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH CA

- UG/PG JUNE 18 - NOV 18

Year : I / ~~II~~ / ~~III~~ Subject : MECHANICS & PROPERTIES OF MATTER Subject Code : TAC 1A Subject i/c : DR. P. EVANGELINE REBECCA

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		<u>IV</u>	ends, an elevation is produced in the beam. This type of bending is known as uniform bending. Expression for elevation at the centre : - Diagram, description, Derivation to find elevation at the centre in uniform bending of a bar.	Test	Completed	✓
28.08.18 06-09-18 - 12-09-18	1	<u>IV</u>	Experiment to determine Young's modulus by uniform bending: - Diagram, Description, Procedure Tabulation and Calculation. <u>II</u> Internal Exam.	Assignment	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
17-09-18	1	V	<p><u>Fluid Dynamics :</u></p> <p>Objective :</p> <p>To make the students to understand viscosity, rate of flow of liquid in a capillary tube and variation of viscosity of a liquid with temperature etc.</p>		Completed	✓
			<p>Viscosity :-</p> <p>The property of a liquid which opposes the relative motion between different layers.</p> <p>Coefficient of viscosity :</p> <p>The tangential force acting per unit area required to maintain</p>	Assignment	Completed	✓

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH CA - UG/PG JUNE 18 - NOV 18Year : I/II/III Subject : Mechanics & Properties of Matter Subject Code : TAE1A Subject i/c : DR. T. EVANGELINE REBECCA

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			unit velocity gradient - Stream line flow - Turbulent flow - Critical velocity - Reynold's number.	Assignment	Completed	✓
18-09-18	1	I	Rate of flow of a liquid in a capillary tube : - Diagram, Description & Derivation. Poiseuille's formula : - Description, Derivation. - Experiment to find coefficient of viscosity.	Test	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
01-10-18 - 08-10-18 09-10-18 - 12-10-18	3		Variation of viscosity with temperature - Explanation, Applications Model Exam. REVISION		Completed	✓
15-10-18 - 17-10-18	4		UNIVERSITY QUESTION PAPERS - Discussion References : 1. Mechanics :- D. S. Mathur 2. Properties of matter - Brydal & N. Subramaniam. 3. Properties of matter - R. Murugesan.			

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DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS - UG/PG JUNE 18 - NOV 18

Year : I / II / III Subject : BASIC PHYSICS Subject Code : SNREC Subject i/c : DR. T. EVANGELINE REBECCA.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
04.07.18	1	1	<u>Force</u> Force is any interaction that, when unopposed, will change the motion of an object. <u>Weight</u> Force exerted on a body by gravity. <u>Power</u> :- Power is the rate of doing work.		Completed	<u>W.R.O.</u>
			<u>Work</u> :- Work is done when a force that is applied to an object moves that object <u>Energy</u> The capacity for doing work.	Test	Completed	<u>W.R.O.</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
11-07-18 - 20-07-18	2	1	<p>Centrifuge :-</p> <ul style="list-style-type: none"> - A machine with a rapidly rotating container that applies centrifugal force to its contents - typically to separate fluids of different intensities. 	Test	Completed	<u>AP-6</u>
			<p>Washing Machine :</p> <p>Parts of washing machine -</p> <p>working principle - water inlet control valve - water pump - tub - Agitator - motor of the washing machine.</p>	Assignment	Completed	<u>AP-6</u>

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH CA - UG/PG JUNE 18 - NOV 18

Year : I / ~~H~~ / ~~III~~ Subject : BASIC PHYSICS Subject Code : SNREC Subject i/c : DR. T. EVANGELINE REBECCA

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
30.07.18	1	3	<p><u>Sound and optics</u></p> <p>Some of the interesting concepts and their application in everyday life is given in this chapter.</p> <p>Sound waves:-</p> <p>A wave of compression</p>	Seminar	Completed	<u>Att-l</u>
		3.	<p>and rarefaction by which sound is propagated in an elastic medium such as air.</p> <p>Doppler effect :- An increase or decrease in the frequency of sound, light or other waves as the source and observer move towards (or away) from each other.</p>	Assignment	Completed	<u>Att-l</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
14.08.18 - 17.08.18	2	3	<p>Power of lens :- The power of lens is its ability to bend the light - greater the power greater the refraction of light.</p> <p>Long sight and short sight: Long sight - curvature - cornea - short</p>		Completed	✓
			<p>axial length - short sight - curvature - cornea - axial length - long - focus</p> <p>Microscope : Introduction - how the image is formed - numerical aperture and resolution - Illumination.</p> <p>Telescope : Introduction - parts of telescope - aperture</p>	Seminar	Completed	✓

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF Physics with CA - UG/PG JUNE 18 - NOV 18

Year : I / II / III Subject : Basic physics Subject Code : SNREC Subject i/c : Dr. T. EVANGELINE REBECCA.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
04.09.18	1	3	Optical quality - contrast - Collimation Binocular - Introduction - aperture , magnification and field size - exit pupils - coatings - prisms - focusing		Completed	✓
			Camera : Shutter speed - image stabilization - aperture - depth of field	Assignment	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19.09-18 - 28.09.18	2	5	Electromagnetic Spectrum : Classification - wavelength - radio wave - microwave, terahertz, infrared, visible, ultraviolet, X-rays, gamma rays. Radio waves : Electromagnetic wave-frequency		Completed	✓
			$10^4 - 10^{12}$ Hz, long distance communication. AM & FM transmission & reception : Amplitude modulation - frequency modulation - radio transmission - circuit explaining AM and FM transmission and reception - applications.	TEST	Completed	✓

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH CA

- UG/PG JUNE 18 - NOV 18

Year : I / ~~II~~ / ~~III~~ Subject : NMF (Basic Physics)

Subject Code : SNREC Subject i/c : Dr. T. Evangeline Rebecca.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
			<p><u>Books for study :-</u></p> <ol style="list-style-type: none"> 1. The Learner's series - Everyday science - Published by Infinity Books, New Delhi 2. The Hindu speaks on science, Volume I & II, Kasturi & Sons, Chennai 			
			<p><u>Books for Reference :</u></p> <ol style="list-style-type: none"> 1. Fundamentals of Physics by D. Halliday, R. Resnick & J. Walker, 6th Edition, Wiley New York (2001) 			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH EA - UG/PG JUNE 18 - NOV 18

Year : I / ~~H~~ / ~~III~~ Subject : PHYSICS PRACTICAL - I Subject Code : TAC 22 Subject i/c : DR. T. EVANGELINE REBECCA.

Date/Week	No. of Hours	Unit/Chapter EXPT	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
06-07-18	3	1	Rigidity modulus - Torsional Pendulum - without masses.		Completed	<u>AKL</u>
16-07-18	3	2	Rigidity modulus and Moment of Inertia - Torsional Pendulum - with masses.			
24-07-18	3	3	Young's Modulus - Non Uniform Bending - Pin and microscope.			
08-08-18	3	4	Young's modulus - Uniform Bending - Optic lever.		Completed	<u>✓</u>
17-08-18	3	5	Surface Tension and Interfacial surface Tension - Drop weight method.			
29-08-18	3	6	Sonometer - Verification of laws and frequency of tuning fork.			

Date/Week	No. of Hours	Unit/Chapter <i>Expt</i>	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
14.09.18	3	7	Sonometer - Relative Density of a solid and liquid.			
24.09.18	3	8.	Coefficient of viscosity of liquid - graduated burette			
09.10.18	3	9.	Specific heat capacity of a liquid - Newton's Law of cooling.	Com	Completed	✓
17.10.18	3	10.	Spectrometer - refractive index of a liquid.			
	3		Repetition class		Completed	✓
	3		Model Practicals Exam - I			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH CA - UG/PG JUNE 18 - NOV 18

Year : ~~I~~ / II / ~~III~~ Subject : OPTICS Subject Code : 7AC 3A Subject i/c : Dr. T. Evangeline Rebecca.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
18.06.18	2	I	<u>Geometrical optics</u> Objective : To make the students understand the concepts of geometrical optics, like aberration in lenses, combination of prisms		Completed	<u>Atb</u>
			Spherical aberration in lenses: The failure of a lens to form a point image of a point object on the axis is called spherical aberration.		Completed	<u>Atb</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19-06-18 - 22-06-18	5 3	I	Methods of minimizing spherical aberration : <ul style="list-style-type: none"> - by using stops. - by using two lenses separated by a distance. - by using an aplanatic lens. - by using crossed lens. 		Completed	<u>APL</u>
			Condition for minimum spherical aberration in the case of two lenses separated by a distance <ul style="list-style-type: none"> - Diagram for the condition with two thin lenses. - Description 		Completed	<u>APL</u>

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF Physics with CA - UG/PG JUNE 18 - NOV 18

Year : I / II / III Subject : OPTICS Subject Code : TAC3A Subject i/c : Dr. T. Evangelina Rebecca.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			<ul style="list-style-type: none"> - Derivation to find the condition for minimum spherical aberration Chromatic aberration in lenses : Change of focal length with colour is responsible for chromatic aberration - Longitudinal & Lateral chromatic aberration are the types. 		Completed	<u>Atal</u>
26.06.18 - 28.06.18	4	I	<ul style="list-style-type: none"> Condition for achromatism of two thin lenses. - diagram for in and out of contact - Description - Derivation for the condition for achromatism of two thin 		Completed	<u>Atal</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		I	<p>lenses in contact and separated by a finite distance.</p> <p>Dispersion produced by a thin prism:</p> <p>A beam of white light, when it passes through a prism is split up into the constituent colours. This phenomenon is called dispersion.</p>		Completed	<u>APL</u>
			<p>Achromatic prisms:</p> <p>A prism that produces deviation without dispersion is called an achromatic prism.</p>		Completed	<u>APL</u>

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DEPARTMENT OF Physics with CA - UG/PG JUNE 18 - NOV 18

Year : I/II/III Subject : Optics Subject Code : PAC 3A Subject i/c : Dr. P. Evangeline Rebecca.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
02-07-18 - 06-07-18	5	I	Dispersion without deviation: - Diagram for dispersion without deviation - Description - Derivation for the white light to have deviation zero.	Test	Completed	<u>HL-b</u>
			Deviation without dispersion - Diagram for achromatic prism - Description - Derivation for zero dispersion.	Assignment.	Completed	<u>HL-b</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
10-07-18 - 16-07-18	65	2	<p><i>Interference:</i></p> <p>Interference is the phenomenon of superposition of two coherent waves in the region of superposition.</p> <p>Analytical treatment.</p> <p>- Derivation of condition for path difference.</p>		Completed	<u>Atul</u>
			<p>Coherent sources - have no phase difference or constant phase difference.</p>		Completed	<u>Atul</u>

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF Physics with CA - UG/PG JUNE 18 - NOV 18Year : I / II / III Subject : Optics Subject Code : TAC 3A Subject i/c : Dr. T. Evangeline Rebecca.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		<u>2</u>	Expression for intensity: - Intensity of light maximum (constructive Interference). - Intensity of light minimum (Destructive Interference).		Completed	<u>W.D.</u>
			Condition for maxima and minima in terms of phase and path difference. - Derivation for the condition for maxima and minima.		Completed	<u>W.D.</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
18.07.18 - 23.07.18	A	2	<p>Air wedge:</p> <p>An air wedge is formed by inserting wire between two glass plates.</p> <p>Determination of diameter of thin wire:</p> <ul style="list-style-type: none"> - Diagram representing the experimental set up. - Expression for diameter of thin wire. - Description of experiment. 		Completed	<u>Atul</u>

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DEPARTMENT OF Physics with CA - UG/PG JUNE 18 - NOV 18

Year : I / II / III Subject : OPTICS Subject Code : TAC3A Subject i/c : Dr. T. Evangeline Rebecca.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		2	Test for optical flatness: - Fringes will be straight if the surface under test is perfectly plane. If not plane, fringes will be irregular in shape.	Assignment	Completed	✓
			Haidinger's Fringes: Circular fringes of equal inclination are Haidinger's fringes. They are localized at infinity.		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
24.07.18 - 31.07.18	5	2	Michelson's Interferometer - Theory Principle : Two interfering beams are formed by division of amplitude. These beams are sent in two perpendicular directions. The two beams are finally brought together to produce interference fringes. - Apparatus Description - Diagram explaining the principle - Working principle.	Assignment.	Completed	✓

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DEPARTMENT OF Physics with CA - UG/PG JUNE 18 - NOV 18Year : I / II / III Subject : Optics Subject Code : TAC3A Subject i/c : Dr. P. Evangeline Rebecca

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		2	Applications Determination of wavelength. - Description of set up. - Expression for wavelength of monochromatic light.		Completed	✓
			Thickness of thin transparent material. - Expression for thickness - Description of the method.	Test	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		2	Resolution of interferometer - Diagram representing total intensity distribution. - Description - Derivation of resolution of interferometer.		Completed	✓
01.08.18 - 07.08.18			I Internal Exam.			

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DEPARTMENT OF PHYSICS WITH CD - UG/PG JUNE 18 - NOV 18Year: I / II / III Subject : OPTICS Subject Code : TAC 3A Subject i/c : Dr. T. Evangelina Rebecca

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
08.08.16 - 16.08.16	5	3	<u>Diffraction :-</u> Bending of light waves around corners and their spreading into the geometrical shadow of an object. Fresnel Diffraction :- either source or screen or both at finite distances		Completed	✓
		3	Diffraction at a circular aperture and narrow wire - diagram - description of experimental set up - expression for intensity.	Test	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			<p>Narrow wire</p> <ul style="list-style-type: none"> - picture explaining diffraction at a thin wire. - Explanation for diffraction and interference bands. - Effect of increasing the thickness of the wire & measurement of diameter of wire. 		Completed	✓
		3	<p>Fraunhofer Diffraction.</p> <ul style="list-style-type: none"> - at a single slit. - diagram for diffraction at single slit - Description of Experiment. - Condition for maxima & minima. 	Assignment	Completed	✓

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DEPARTMENT OF PHYSICS WITH CA

- UG/PG JUNE 18 - NOV 18

Year : I / II / III Subject : OPTICS Subject Code : TAC3A Subject i/c : Dr. T. Evangeline Rebecca

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			<p>- width of central maximum proportional to wavelength of light.</p> <p>Fraunhofer Diffraction :</p> <p>- at double slit.</p> <p>- Diagram for diffraction at double slit</p> <p>- Derivation of intensity</p>	Test	Completed	✓
			<p>- Condition for maxima and minima.</p> <p>Plane Diffraction Grating :</p> <p>An arrangement consisting of a large number of parallel slits of equal width and separated by equal opaque spaces is called diffraction grating</p>		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		3	<p>Missing Order.</p> <ul style="list-style-type: none"> - Absent spectra with a diffraction grating - Expression for n^{th} order spectrum to be absent in the diffraction pattern. 	Assignment	Completed	✓
			<p>Overlapping spectra:</p> <p>Incident light on grating surface with large range of wavelengths can lead to overlapping spectra. This can be avoided by using suitable filters.</p>		Completed	✓

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DEPARTMENT OF PHYSICS WITH EA - UG/PG JUNE 18 - NOV 18

Year : I / II / III Subject : OPTICS Subject Code : TAC8A Subject i/c : Dr. T. Evangelina Rebecca.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		3.	Maximum number of orders : Formula for calculating maximum number of orders in a grating. Determination of wavelength using grating - Normal Incidence. Principle - diagram for		Completed	✓
			normal incidence - Determination of $(a+b)$ - Determination of angle of diffraction θ .	Test.	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
17.08.18 - 27.08.18	3	3	Oblique Incidence (Theory). - Diagram for a parallel beam of light incident obliquely on grating surface - Derivation for minimum deviation position.		Completed	✓
			Dispersive power of grating Dispersive power is directly proportional to n , order of the spectrum and inversely proportional to the grating element $(a+b)$.		Completed	✓

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DEPARTMENT OF Physics with CA - UG/PG JUNE 18 - NOV 18

Year : I / II / III Subject : OPTICS Subject Code : TAC3A Subject i/c : Dr. T. Evangeline Rebecca

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		<u>3</u>	<p>Difference between Resolving power and Dispersive Power:</p> <p>Dispersive power is the rate of change of the angle of diffraction with wavelength. whereas, resolving power is the capacity of an instrument to show two close things separately.</p>	<u>Test</u>	<u>Completed</u>	<u>✓</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
28.08.18 - 31.08.18	3	4	<p>POLARIZATION</p> <p>Double refraction Calcite crystal - ordinary ray and extra ordinary ray - two images - double refraction. Nicol prism Principle, construction - action - limitation - uses.</p>		Completed	✓
			<p>Polarizer and Analyzer. A device which produces plane polarized light is called a polarizer. A device used to examine whether light is plane</p>	Assignment	Completed	✓

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DEPARTMENT OF PHYSICS WITH CA - UG/PG JUNE 18 - NOV 18

Year : I / II / III Subject : OPTICS Subject Code : TAC3A Subject i/c : Dr. T. Evangelina Rebecca

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		<u>4</u>	polarized or not is an analyzer. Huygen's explanation of double refraction in uniaxial crystals: Huygen's extension of secondary wavelets - concept to explain double refraction -	TEST	Completed	✓
			construction for double refraction in uniaxial crystals - oblique and normal incidence.		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
		4	<p>Dichroism:</p> <p>The property of some crystals and solutions of absorbing one of two plane polarized components of transmitted light.</p>	Test	Completed	✓
			<p>Polaroids and their uses:</p> <p>Polaroid is a material which polarises light. Uses - polarizing sun glasses, eliminate head light glare in motor cars, 3D moving picture, glass windows etc.</p>		Completed	✓

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DEPARTMENT OF BSc. PHYSICS WITH EA - UG/PG JUNE 18 - NOV 18

Year : I / II / III Subject : OPTICS Subject Code : TAC3A Subject i/c : Dr. T. Evangeline Rebec

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
03.09.18 - 04.09.18.	3	4	Double image polarizing prisms. Rochon prism - Wallaston prism - diagram for both the prisms - description and explanation of how both O-rays and E-rays are obtained using double image prisms.		Completed	✓
			Quarter wave plate and Half wave plate Plane, elliptically and circularly polarised light. Plane polarised light - light vector vibrates simple harmonically in a straight line perpendicular	Assignment.	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		4	to the direction of propagation Circularly polarised- Light wave vector orientation varies regularly. Elliptically polarised- magnitude and orientation of the resultant light vector vary and traces an ellipse.			
			Quarter wave plate Capable of producing a path difference $\lambda/4$ between ordinary and extraordinary waves.	Test	Completed	✓

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DEPARTMENT OF PHYSICS WITH CA - UG/PG JUNE 18 - NOV 18

Year : I / II / III Subject : OPTICS Subject Code : TAC3A Subject i/c : Dr. T. Evangeline Rebecca

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		A	<p>Half wave plate</p> <p>Capable of producing a path difference of $\lambda/2$.</p> <p>Expression for thickness of plate.</p> <p>Plane, elliptically and circularly polarized light</p> <p>- production and detection.</p>	Assignment	Completed	✓
			<p>- set up using Nicol prism, quarter wave plate. Diagram explaining production and detection.</p>		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		4	<p>Babinet's compensator</p> <ul style="list-style-type: none"> - Description of Babinet's compensator - Diagram <p>Optical activity</p> <p>The property of rotating the plane of vibration of polarized but by certain crystals.</p>	Test		✓
			<p>Fresnel's explanation of optical activity</p> <ul style="list-style-type: none"> - Mathematical treatment. - Diagram. 		Completed	✓

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DEPARTMENT OF PHYSICS WITH EA - UG/PG JUNE 18 - NOV 18

Year : I / II / III Subject : OPTICS Subject Code : TAC 3A Subject i/c : Dr. T. Evangeline Rebecca

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		<u>A</u>	Specific rotatory power. Specific rotation for solid (crystal) and liquid. Determination using Laurent's half shade polarimeter. Construction - working of the half-shade device - Diagram representing the device.		Completed	✓
06.09.18 - 12.09.18			<u>II</u> Internal Assessment Test.			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
14.09.18 - 24.09.18	6	5.	SPECTROSCOPY - Introduction Spectroscopy is the branch of science concerned with the investigation and measurement of spectra produced when matter interacts with or emits electromagnetic radiation.	Assignment	Completed	✓
			Electromagnetic spectrum - Regions of spectrum Electromagnetic radiation is classified by wavelength into radio wave, microwave, infrared, visible region, ultraviolet, x-rays and gamma rays.		Completed	✓

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DEPARTMENT OF PHYSICS WITH CA - UG/PG JUNE 18 - NOV 18

Year : I / II / III Subject : OPTICS Subject Code : TAC3A Subject i/c : Dr. T. Evangeline Rebecca

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
25 / 9 / 18 to 29 / 9 / 18		5	Characterization of electromagnetic radiation - characterized either by its frequency of oscillation or its wavelength. Quantization of energy. Rather than continuous		Completed	✓
			waves, light was coming in packets of energy which can be defined with its frequency and plank's constant. Classification of molecules. Classified according to symmetry	Test	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			<p>spherical top, linear and symmetric top.</p> <p>Microwave spectroscopy</p> <p>Rational spectroscopy is concerned with the measurement of energies of transitions between quantized rotational states of molecules.</p>		Completed	✓
			<p>Rigid rotator</p> <ul style="list-style-type: none"> - explains rotating systems - energy of rotational transition - rotation vibration transition 	Test	Completed	✓

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DEPARTMENT OF PHYSICS WITH CA - UG/PG JUNE 18 - NOV 18

Year : I / II / III Subject : OPTICS Subject Code : TAC3A Subject i/c : Dr. T. Evangelina Rebecca

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
28.09.18 - 29.09.18	4	5	Vibrational spectroscopy: - Deals with infrared region of electromagnetic spectrum based on absorption spectroscopy.		Completed	✓
			Harmonic Oscillator - Introduction - Derivation of energy - Deduction of frequency - IR spectroscopy	Assignment	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		5	<p>Raman effect</p> <p>Scattered light containing other frequencies in addition to that of incident light.</p> <p>Experimental set up.</p> <p>- Figure explaining experimental setup - Description of set up.</p>		Completed ✓	
			<p>Characteristics of Raman lines</p> <p>→ Stokes lines</p> <p>→ Antistokes lines.</p>		Completed ✓	

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DEPARTMENT OF PHYSICS WITH CA - UG/PG JUNE 18 - NOV 18

Year : I / II / III Subject : OPTICS Subject Code : TAC3A Subject i/c : Dr. T. Evangeline Rebecca

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		<u>5.</u>	<p>LASER :</p> <p>- Three level laser system - optical pumping - population inversion - stimulated emission.</p> <p>RUBY LASER :-</p> <p>- Construction - Active working material - Resonant cavity -</p>			
			<p>The optical pumping system - working</p> <p>He - Ne Laser :</p> <p>Construction - Active medium - Resonant cavity - pumping system - working - merits and demerits.</p>		Assignment Completed	
					Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			<p>CO₂ Laser .</p> <p>Principle - diagram - population inversion - construction - working - Applications .</p> <p>Applications of Laser .</p> <p>Nd-Yag in cutting, welding, drilling .</p>	Completed	Completed	✓
01.10.18 - 08.10.18			<p>CO₂ - Laser radar or Lidar .</p> <p>Argon ion Laser - Laser printing .</p> <p>MODEL EXAM .</p>			

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DEPARTMENT OF PHYSICS WITH CA - UG/PG JUNE 18 - NOV 18

Year : I / II / III Subject : OPTICS

Subject Code : TAC 3A Subject i/c : Dr. T. Evangeline Rebecca

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			<p><u>References.</u></p> <p>1. Optics & Spectroscopy - R. Murugesan and Kiruthiga Sivaprasath.</p> <p>2. A text book of Optics - Subrahmanyam N,</p>			
			<p>Brij Lal and M.N. Avasthianulu</p> <p>3. Optics - Khanna D & Gulati H.R.</p> <p>4. Molecular Structure and Spectroscopy - Aruldas.</p>			

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DEPARTMENT OF PHYSICS WITH CA - UG/PG JUNE 18 - NOV 18

Year : ~~I~~/H/III Subject : PHYSICS PRACTICAL Subject Code : _____ Subject i/c : Dr. T. Evangelina Rebecca

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
21.06.18	3	1.	A.C Circuit - LCR - Series Resonance.			
29.06.18	3	2.	NAND/NOR as universal gates.		Completed	<u>ATB</u>
09.07.18	3	3.	Half Adder - Full Adder - Ex OR (7486)			
17.07.18	3	4.	Half subtractor - Full subtractor - Ex OR (7486)			
25.07.18	3	5.	4 bit ripple counter using 7473 / 7476		Completed	<u>30/8</u>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
09.08.18	3	6	4 bit shift register using 7473 / 7476			
20.08.18	3	7	Decode counter using 7490			
30.08.18	3	8	A.C Circuit - LCR- Parallel resonance.		Completed	P 30/8/18
15.09.18	3	9	Bridge rectifier - Zener regulated power supply - 9V characteristics			
25.09.18	3	10	FET Amplifier		Completed	P 10/10/18
10.10.18	3		Repetition class			
	3		Model Exam I			

LESSON PLAN

2018 - 2019

EVEN SEMESTER

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATION

DEPARTMENT OF COMPUTER APPLICATION

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN



DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS

LESSON PLAN FOR EVEN SEMESTER

NOVEMBER 2018 – MARCH 2019

NAME OF THE STAFF : C.REEDA LENUS

SUBJECTS HANDLED

CLASS	SUBJECT CODE	SUBJECT NAME
I B.Sc	TAC2A	THERMAL PHYSICS AND ACOUSTICS
II B.Sc	TEC4A	INTEGRATED ELECTRONICS
II B.Sc	TAC43	PHYSICS PRACTICAL - II
III B.Sc	TAC6B	RELATIVITY AND QUANTUM MECHANICS

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DEPARTMENT OF PHYSICS WITH COMP. APPLICATIONS NOVEMBER 2018 – MARCH 2019

Year : I / II / III Subject : THERMAL PHYSICS AND ACOUSTICS Subject Code : TAC 2A Subject i/c : C. REEDA LENUS


Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
23/11/18 to 24/11/18	1	I	<p>THERMOMETRY AND CALORIMETRY</p> <p>OBJECTIVE : To make the students understand the concepts of thermometry and calorimetry</p> <p>Thermometry:</p> <ul style="list-style-type: none"> - Introduction - Types of Thermometers 		Completed	21/12/18
26/11/18 to 30/11/18	3	I	<p>Platinum Resistance Thermometer</p> <ul style="list-style-type: none"> - Principle - Construction, Working - Advantages <p>Callendar and Griffith's Bridge :</p> <ul style="list-style-type: none"> - Diagram, Description, Procedure, Merits & Demerits 		Completed	21/12/18

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
3/12/18 to 8/12/18	3	I	<p>Thermistor :</p> <ul style="list-style-type: none"> - Principle, Construction, Applications. <p>Specific heat capacity :</p> <ul style="list-style-type: none"> - Specific heat capacity of solids - Molar heat capacity - Atomic heat capacity 		Completed	21/12/18
10/12/18 to 14/12/18	2	I	<p>Dulong and Petit's Law :</p> <ul style="list-style-type: none"> - Statement - Derivation <p>Variation of specific heat capacity and atomic heat capacity with temperature.</p> <ul style="list-style-type: none"> - Explanation 		Completed	21/12/18



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
17/12/18 to 22/12/18	2	I	<p>Specific heat capacity of Liquid</p> <ul style="list-style-type: none"> - Definition - Method of mixtures experiment to find specific heat capacity. <p>Barton's correction:</p> <ul style="list-style-type: none"> - Explanation, derivation for radiation correction. 		Completed	R 5/1/19
24/12/18	1	I	<p>Specific heat capacity of gases:</p> <ul style="list-style-type: none"> - Definitions for C_p & C_v - Mayer's Relation connecting C_p & C_v <p>Regnault's method to find C_p</p> <ul style="list-style-type: none"> - Diagram, Description, Working & Calculation. 		Completed	R 5/1/19



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
2/1/19 to 5/1/19	2	I	Callendar & Barne's method : - Diagram, Description, Working, Calculation. Problems : - Thermometry & Calorimetry Variation of specific heat- capacity of diatomic gases.		Completed	8/1/19
7/1/19 to 12/1/19	1	I	I INTERNAL EXAM Low temperature Physics: - Joule-Thomson effect - Temperature of inversion - Critical temperature			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
18/1/19 to 19/1/19	1	I	Porous Plug Experiment : - Diagram, Description, Working. - Results obtained from Porous Plug experiment Liquefaction of gases : - Explanation, Regenerative cooling.		Completed	24/1/19
21/1/19 to 25/1/19	2	I	Liquefaction of Air - Linde's process : - Principle of Linde's process - Diagram - Construction & - Working.		Completed	24/1/19



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
25/1/19 to 1/2/19	3	<u>V</u>	ULTRASONICS: <ul style="list-style-type: none"> - Classification of sound waves based on frequency - Properties of ultrasonics - Applications - Methods of production. 		Completed	
		<u>IV</u>	Piezo-electric crystal method <ul style="list-style-type: none"> - Piezo-electric effect - Inverse Piezo-electric effect - Principle - Circuit diagram - Construction & Working 			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		<u>V</u>	<p>Magnetostriction method:</p> <ul style="list-style-type: none"> - Magnetostriction effect - Circuit diagram - Construction, Working - Advantages & Disadvantages 		Completed	8/2/19
4/2/19 to 9/2/19	1	<u>V</u>	<p><u>II</u> INTERNAL EXAM</p> <p>ACOUSTICS OF BUILDINGS</p> <ul style="list-style-type: none"> - Introduction - Echo, reverberation, Reverberation time, Absorption co-efficient 		Yet to complete Completed	11/2/19 15/2/19

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
11/2/19 to 15/2/19	2	<u>V</u>	Acoustic aspects of halls & Auditoriums : - Factors affecting acoustics of buildings - Echo, Reverberation, Rever. time, Loudness, Echelon effect, Resonance, Noise etc.		Completed	
18/2/19 to 23/2/19	3	<u>VI</u>	Requirements for Good Acoustics - Necessary provisions for the halls and auditoriums to have good sound effects.		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
25/2/19 to 2/3/19	3	V	<p>SABINE'S FORMULA</p> <ul style="list-style-type: none"> - Assumptions to derive reverberation formula - Diagram - Derivation - Growth and Decay of sound. 		Completed	
			<ul style="list-style-type: none"> - Expression for reverberation time T. - Importance of Sabine's formula. 		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
4/3/19 to 9/3/19	1	I	MODEL EXAM Revision: - Platinum Resistance thermometer. - Callendar & Griffith's Bridge.		Completed	✓
11/3/19 to 16/3/19	2	I	Revision: - Specific heat capacity of solids, liquids & gases. - Porous Plug experiment.		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
18/3/19 to 23/3/19	3	I	Revision: - Liquefaction of Air by Linde's Process. - Ultrasonics production - Acoustics of buildings - Sabine's Reverberation formula		Completed	
25/3/19 to 27/3/19	2	I, V	- Discussion of university question papers.		Discussed the previous years question papers	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			<p>REFERENCES :</p> <p>(i) Heat & Thermodynamics - Brijlal & N. Subramanyan</p> <p>(ii) Thermal Physics - R. Murugesan</p>			
			<p>(iii) Text book of Sound - V.R. Khanna & R.S. Bedi</p>			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMP. APPLICATIONS NOVEMBER 2018 – MARCH 2019

Year : I / II / III Subject : INTEGRATED ELECTRONICS Subject Code : TEC 4A Subject i/c : C. REEDA LENUS

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
26/11/18 to 30/11/18	3	<u>IV</u>	<p>OP-AMP BASIC APPLICATIONS</p> <p>OBJECTIVE : To make the students understand the basic principles of op-amp and Linear integrated circuit configurations.</p> <p>BASIC INFORMATION OF OP-AMP</p> <p>Circuit symbol, Op-amp terminals</p>		Completed	18/12/18
		<u>IV</u>	<p>Characteristics Parameters</p> <ul style="list-style-type: none"> - Integrated Circuit - Fabrication of IC * Input Impedance * Infinite voltage gain * Band width 		Completed	18/12/18

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
3/12/18 to 8/12/18	3	<u>IV</u>	<ul style="list-style-type: none"> * Common Mode Rejection Ratio (CMRR) * The Slew Rate <ul style="list-style-type: none"> - Explanation - Problems * Bandwidth 		Completed	5/1/19
10/12/18 to 14/12/18	3	<u>IV</u>	<p>Op-Amp Applications</p> <ul style="list-style-type: none"> * Inverting Amplifier <ul style="list-style-type: none"> - Circuit diagram - Explanation, derivation * Non Inverting Amplifier 		Completed	5/1/19

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
17/12/18 to 22/12/18	2	<u>IV</u>	<ul style="list-style-type: none"> * Integrator - Circuit, Explanation * Differentiator - Circuit, Explanation * Summing Amplifier - Circuit, Explanation 		Completed	✓ 5/1/19
2/1/19 to 5/1/19	2	<u>IV</u>	<ul style="list-style-type: none"> * Difference amplifier - Circuit, Explanation * Averaging amplifier - Circuit, Explanation 		Completed	✓ 5/1/19



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
7/1/19 to 12/1/19	1	<u>IV</u>	<p>I INTERNAL EXAM</p> <p>Comparator</p> <p>- Circuit, Explanation</p> <p>Solving Simultaneous Equations</p> <p>- Circuit, Explanation</p>		Completed	19/1/19
18/1/19 to 19/1/19	1	<u>IV</u>	<p>Square wave generator</p> <p>- Circuit diagram</p> <p>- Description</p> <p>- Working</p> <p>- Waveforms</p>		Completed	19/1/19


Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
21/1/19 to 25/1/19	3	<u>IV</u>	<p>Wien's Bridge Oscillator</p> <ul style="list-style-type: none"> - Circuit diagram - Description - Working <p>Schmitt Trigger</p> <ul style="list-style-type: none"> - Circuit details - Working 		Completed	28/1/19
		<u>V</u>	<p>TIMER, ADC and DAC</p> <p>Timer 555</p> <ul style="list-style-type: none"> - Introduction - Circuit Diagram - Explanation of functional diagram. 		Completed	28/1/19

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
28/1/19 to 1/2/19	2	<u>V</u>	<p>Astable Multivibrator</p> <ul style="list-style-type: none"> - Circuit diagram using 555 Timer - Circuit operation <p><u>II</u> INTERNAL EXAM</p>		Completed	8/2/19
4/2/19 to 9/2/19	1	<u>V</u>	<p>Schmitt trigger:</p> <ul style="list-style-type: none"> - Functional diagram using 555 timer - Description - Working 		Completed	11/2/19

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
11/2/19 to 15/2/19	3	<u>V</u>	D/A Converter - Introduction about D/A Conversion - Binary weighted resistors D/A converter - D/A converter with op-amp		Completed	✓
			- R-2R resistive ladder D/A converter - Important terms - Explanation		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
18/2/19 to 23/2/19	3	<u>V</u>	A/D Converter : - Introduction of A/D conversion - Successive approximation method - Block diagram - Description & Working		Completed	✓
25/2/19 to 2/3/19	2	<u>V</u>	Revision - 555 Timer - Astable multivibrator - Op-Amp Characteristics - Solving simultaneous equations		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
4/3/19 to 9/3/19	1	<u>IV</u>	MODEL EXAM Revision: - Inverting Amplifier - Non-Inverting Amplifier - Integrator - Differentiator		Completed	
11/3/19 to 16/3/19	2	<u>V</u>	Revision - A/D converter - D/A converter		Test-Conducted	
18/3/19 to 23/3/19	3	<u>V</u>	- Successive Approximation method			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
25/3/19 to 27/3/19	2	<u>IV</u> , <u>V</u>	University Exam question papers - Discussion. REFERENCES : 1. Digital Principles and Application. - Malvino Leach Introduction to 2. Integrated Circuits - V. Vijendran 3. Op-Amps and Linear Integrated Circuits - Ramakant A Gayakwad 4. Linear Integrated Circuits - D. Roy Choudhury, Shail Jain		Discussed University Question papers	



SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMP. APPLICATIONS NOVEMBER 2018 – MARCH 2019


Year : I / II / III Subject : PHYSICS PRACTICAL - II Subject Code : TAC 43 Subject i/c : C. REEDA LENUS

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			<p>OBJECTIVE :</p> <p>To guide and help the students to perform the experiments with better understanding.</p>			
24/11/18	3	11	<p>Batch : 1</p> <p>Spectrometer Grating N & λ - minimum deviation method</p> <p>Batch : 2</p> <p>m and B_H - Deflection Magnetometer</p> <p>Tan θ position & Vibration magnetometer</p>		Completed	5/1/19

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
3/12/18	3	12	Batch:1 m & B_H - Deflection Magnetometer Tan C Position & Vibration Magnetometer. Batch:2 Spectrometer - Grating N & λ minimum deviation method.		Completed	B 5/1/19
10/12/18	3	13	Batch:1 Spectrometer - Grating N & λ Normal Incidence Method Batch:2 Carey Foster Bridge - Temperature co-efficient of resistance of a coil		Completed Yet to be completed	B 5/1/19

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
18/12/18	3	14	Batch:1 Carey Foster Bridge. Temperature Co-efficient of resistance of a coil Batch:2 Spectrometer - Grating $N \& \lambda$ Normal Incidence Method.		Yet to be completed Completed	 5/1/19
2/1/19	3	15	Batch:1 Figure of merit of galvanometer Batch:2 Repetition class		Completed	 5/1/19

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
21/1/19	3		Batch : 1 Repetition class Batch : 2 Figure of merit of galvanometer		Completed	11/2/19
29/1/19	3		Model Exam - 1		Completed	11/2/19
13/2/19	3		Model Exam - 2			
21/2/19	3		Model Exam - 3			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
28/2/19 8/3/19	3 3		Preparation for university Practical Exam REFERENCES: 1. Practical Physics - C.C. Ouseph, U.J. Rao & V. Vijendran		Repetition classes conducted	
			2. A text book of Practical Physics. - M.N. Srinivasan B. Balasubramanian R. Ranganathan.			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMP. APPLICATIONS NOVEMBER 2018 – MARCH 2019

Year : I / II / III ✓ Subject : RELATIVITY AND QUANTUM MECHANICS Subject Code : TAC 6B Subject i/c : C. REEDA LENUS



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
23/11/18 to 24/11/18	1	I	RELATIVITY OBJECTIVE : To make the students understand the concepts of Relativity and Quantum Mechanics. Frames of Reference			
			+ Definition - Types of frames of reference * Inertial frame of reference * Non-inertial frame of reference - Examples		Completed	10/12/18

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
26/11/18 to 30/11/18	4	I	Galilean Transformation equations - Diagram - Description - Derivation for transformation equations. - Inverse transformation equations.		Completed	10/12/18
		I	Michelson - Morley Experiment - Purpose of the experiment - Principle, Diagram, - Description, working - Explanation of the negative result.		Completed	10/12/18



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
3/12/18 to 8/12/18	5	I	Special theory of relativity: - Introduction - Postulates of Special theory of relativity - Explanation Lorentz transformation - Diagram, Derivation		Completed	10/12/18
		I	Length Contraction - Lorentz - Fitzgerald contraction - Diagram, derivation - Examples.		Completed	10/12/18

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
10/12/18 to 14/12/18	4	I	Time dilation - Explanation - Derivation - Twin Paradox Relativity of Simultaneity - Derivation		Completed	21/12/18
		I	Addition of velocities - Derivation Variation of mass with velocity - Diagram - Description, Derivation - Verification of increase in mass with velocity		Completed	21/12/18

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		I	Einstein's Mass-Energy Relation. <ul style="list-style-type: none"> - Derivation - Explanation - Unified mass unit - Relationship between the total energy, rest energy and the momentum. 		Completed	R 21/12/18
		I	General Theory of Relativity <ul style="list-style-type: none"> - Postulates - Explanation of the postulates - Examples. 		Completed	R 21/12/18

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
17/12/18 to 22/12/18	4	<u>II</u>	<p>WAVE NATURE OF MATTER</p> <ul style="list-style-type: none"> - Introduction - The de-Broglie Wavelength <ul style="list-style-type: none"> * Derivation * Problems - Phase velocity of de Broglie waves. 		Completed	
		<u>II</u>	<p>Expression for Group velocity</p> <ul style="list-style-type: none"> - Diagram - Explanation - Derivation. <p>Relation between Group velocity and Phase velocity</p> <ul style="list-style-type: none"> - Derivation 		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		<u>II</u>	Davisson and Germer's experiment			
			<ul style="list-style-type: none"> - Diagram - Experimental arrangement - Experimental procedure - Calculation of observed wavelength - Calculation of expected wavelength 		Completed	2/1/19
24/12/18	1	<u>II</u>	G.P. Thomson's Experiment <ul style="list-style-type: none"> - Experimental arrangement - Experimental procedure - Verification of de Broglie eqn - Calculation of λ from the radii of the rings. 		Completed	2/1/19



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
2/1/19 to 5/1/19	3	<u>II</u>	<p>Electron Microscope</p> <ul style="list-style-type: none"> - Diagram - Description & Working <p>Heisenberg's Uncertainty Principle</p> <ul style="list-style-type: none"> - Statement, Example - Determination of positron with γ-ray microscope 		Completed	 5/1/19
		<u>II</u>	<ul style="list-style-type: none"> - Diffraction of a beam of electrons by a slit. - Examples - Problems 		Completed	 5/1/19

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
7/1/19 to 12/1/19	2		I INTERNAL EXAM			
		<u>III</u>	SCHRODINGER EQUATION - Inadequacy of classical mechanics - Postulates of wave mechanics		Completed	12/1/19
			Postulates of Quantum Mechanics - Statement - Explanation - Linear operator - Commutator - Hermitian operator		Completed	19/1/19



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
18/1/19 to 19/1/19	2	<u>III</u>	Schrodinger Equation: - Derivation of Time dependent form of Schrodinger Equation - Schrodinger equation - Steady state form		Completed	19/1/19
		<u>III</u>	* Derivation of Time independent form of Schrodinger Eqn. Properties of Wavefunction - Physical significance of ψ - Orthogonal and normalised wave functions		Completed	23/1/19

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
21/1/19 to 25/1/19	4	<u>III</u>	Physical interpretation of wave function ψ - Derivation Expectation Values: - Derivation of Ehrenfest theorem.		Completed	28/1/19
		<u>III</u>	Operators - Momentum operator - Total energy operator - K.E operator - Operators & Expectation values		Completed	28/1/19

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
28/1/19 to 1/2/19	4	<u>III</u>	<p>Eigen Values and eigen function</p> <ul style="list-style-type: none"> - Explanation - Operators and Eigen values - Eigen value equation and - Schrodinger Equation. 		Completed	8/11/2/19
		<u>III</u>	<p>Tunnel Effect:</p> <ul style="list-style-type: none"> - A particle without the energy to pass over a potential barrier may still tunnel through it. - Explanation 		Completed	8/11/2/19

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		<u>III</u>	Commutativity and Compatibility - Explanation		Completed	
4/2/19 to 9/2/19	2	<u>IV</u>	II INTERNAL EXAM ANGULAR MOMENTUM IN QUANTUM MECHANICS - Orbital Angular momentum			
			Operators - Diagram - Derivation Commutator Algebra * Commutation relation between position & momentum		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		<u>IV</u>	<ul style="list-style-type: none"> * Commutation relation between Hamiltonian H and momentum p * Commutation rules for the components of L <ul style="list-style-type: none"> - Derivation 		Completed	✓
11/2/19 to 15/2/19	4	<u>IV</u>	<ul style="list-style-type: none"> * Commutation relation of L^2 with components L_x, L_y & L_z <ul style="list-style-type: none"> - Derivation * Ladder operators L_+, L_- * Commutation relation of L_x with L_+ and L_- 		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		<u>IV</u>	<ul style="list-style-type: none"> * Commutation Relation of L_+ and L_- mutually * Commutation relation of orbital angular momentum with position. 		Completed	
18/2/19 to 23/2/19	5	<u>IV</u>	Separation of three dimensional Schrodinger equation into radial and angular parts <ul style="list-style-type: none"> - Explanation - Derivation 		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		<u>IV</u>	<p>Spin angular momentum:</p> <p>- Explanation</p> <p>Pauli's Spin matrices:</p> <p>* Derivation</p> <p>* Commutation relations satisfied by three components σ_x, σ_y and σ_z</p>		Completed	✓
		<u>IV</u>	<p>* Commutation relation satisfied by σ^2 and its components σ_x, σ_y & σ_z</p>		Completed	✓

NAME OF THE STAFF : Dr.T.EVANGELINE REBECCA

SUBJECTS HANDLED

CLASS	SUBJECT CODE	SUBJECT NAME
I B.Sc	TAC2A	THERMAL PHYSICS AND ACOUSTICS
I B.Sc	TAC22	PHYSICS PRACTICAL I
I B.Sc	SNRED	NON CONVENTIONAL ENERGY SOURCES
II B.Sc	TAC4D	ATOMIC PHYSICS
II B.Sc	ENV4A	ENVIRONMENTAL STUDIES
III B.Sc	TAC62	PHYSICS PRACTICAL IV

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS NOVEMBER 2018 – MARCH 2019

Year : I / ~~II~~ / ~~III~~ Subject : THERMAL PHYSICS AND ACOUSTICS Subject Code : TAC 2A Subject i/c : Dr. T. EVANGELINE REBECCA.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
24/11/18.	2	<u>II</u>	<p>THERMODYNAMICS</p> <p><u>OBJECTIVE</u> : To learn the laws of thermodynamics and transformation of heat into work</p> <p>* Introduction to thermodynamics</p>		Completed	
27/11/18 - 03/12/18	3		<p>Zeroth law of Thermodynamics - Thermodynamic equilibrium.</p> <p>First Law of Thermodynamics - Explanation - Limitations - Applications</p>	Assignment	Completed	7/12/18

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
05/12/18 - 12/12/18	4	<u>II</u>	<ul style="list-style-type: none"> * Isothermal and Adiabatic process - Work done. * Reversible and Irreversible process * Second Law of Thermodynamics <ul style="list-style-type: none"> - Clausius statement. - Kelvin - Planck statement * Heat Engine - Introduction. 		Completed	P 18/12/18
18/12/18 - 20/12/18	3	<u>II</u>	<ul style="list-style-type: none"> * Carnot's Engine - Carnot's theorem. * Internal combustion engines. * Petrol and diesel engines * Thermodynamic scale of temperature * Introduction to Entropy. 	Test	Completed	P 21/12/18

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
02/1/19 - 04/01/19	3	<u>II</u>	<ul style="list-style-type: none"> * Entropy and available energy. * Temperature. * Entropy diagram for Carnot's cycle. * <u>III</u> Law of Thermodynamics. * Wien's heat Theorem. 		Completed	5/1/19
07/01/19 - 10/01/19			<u>I</u> INTERNAL ASSESSMENT			
11/01/19	1	<u>III</u>	Unit 3: Conduction and Radiation <ul style="list-style-type: none"> * Introduction. * Thermal Conductivity. 		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
21/01/19	2	<u>III</u>	* Rectilinear flow of heat along a bar. * Thermal conductivity of a good conductor - Forbes method - Experiment.	Test	Completed	✓
23/01/19	1	<u>III</u>	* Thermal conductivity of a bad conductor. - Lee's Disc Method. - Experiment.	Assignment	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
29/01/19	2	<u>III</u>	<ul style="list-style-type: none"> * Radiation - Distribution of energy in Black body spectrum. * Wein's Displacement Law. * Derivation of Stefan's Law. * Derivation of Newton's Law of cooling from Stefan's Law. 		Completed	
31/01/19	1	<u>III</u>	<ul style="list-style-type: none"> * Solar constant. - Angstrom's Pyroheliometer. to find solar constant. * Pyrometer - Disappearing filament optical pyrometer. 	Test	Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
04/02/19 - 07/02/19			<u>II</u> INTERNAL ASSESSMENT			
08/02/19	1	<u>IV</u>	WAVES AND OSCILLATIONS * Simple Harmonic Motion - Definition - Characteristics - Examples.	Test	Completed	✓
13/02/19	2	<u>IV</u>	* Combination of two SHM's - in a straight line. - at right angles. * Lissajous's figures. - Experiment. - Uses.	Assignment	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
15/02/19 - 21/02/19	3	<u>IV</u>	<ul style="list-style-type: none"> * Undamped vibrations <ul style="list-style-type: none"> - Differential Equation * Damped vibrations <ul style="list-style-type: none"> - Differential Equation. * Forced vibrations <ul style="list-style-type: none"> - Differential Equation. 	Test	Completed	✓
23/02/19	1	<u>IV</u>	<ul style="list-style-type: none"> * Resonance, sharpness of resonance. * Intensity of sound * Loudness of sound <ul style="list-style-type: none"> - Expression for intensity of sound. 		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
28/02/19	2	<u>IV</u>	<ul style="list-style-type: none"> * Loudness of sound * Weber - Fechner Law * Difference between Loudness and Intensity. * Noise Pollution <ul style="list-style-type: none"> - Sources of noise pollution - Effects of noise pollution 		Completed	✓
04/03/19 - 07/03/19			MODEL EXAM.			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
08/03/19	2		REVISION - University Exam question paper - discussion - Work out Problems.		Completed	✓
11/03/19	1		* Unit - 2 Important questions test.			
15/03/19	2		* Unit - 3 - Important questions test.			
19/03/19	1		* Unit - 4 - Important questions test.		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
23/03/19 - 26/03/19	3		Two mark and five mark questions test. Books for Reference : 1. Heat & Thermodynamics - Brij Lal & Subramanyam. N		Completed	✓
			2. Heat & Thermodynamics . - D. S. Mathur 3. Text book of Sound - Ghosh			



SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.



DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS NOVEMBER 2018 – MARCH 2019

Year : I/~~II~~/~~III~~ Subject : PRACTICAL I (PHYSICS) Subject Code : TAC 22 Subject i/c : DR. T. EVANGELINE REBECCA.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
22/11/18	3		1) Focal length, Power, R and refractive index of a long focus convex lens.	Exam	Completed	✓
29/11/18	3		Spectrometer - refractive index of a liquid.		Completed.	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
07/12/18	3		Focal length, power, R and refractive index of a concave lens.		Completed	✓
14/12/18	3		Specific heat capacity of liquid - Method of mixtures		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
22/12/18	3		Viscosity of Liquid - Burette method		Completed	
18/01/19	3		Post office box - Temperature co-efficient of Resistance.		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
25/01/19	3		Specific Heat Capacity of Liquid - Newton's Law of Cooling.		Completed	
11/02/19	3		Surface Tension - Drop Weight Method.		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19/02/19	3		Repeat class.			
			<u>II</u> INTERNAL EXAM		Completed	✓
26/02/19	3		Repeat class			
13/03/19	3		Lab Model Exam - <u>I</u>			
			MODEL EXAM		Completed	✓
21/03/19	3		Model Exam <u>II</u>			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			Model Exam <u>III</u>			
			Practice for University Exam.		Completed	✓
			Books for Reference. - C. C. Ouseph, U. J. Rao and V. Vijayendram Practical Physics.			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS NOVEMBER 2018 – MARCH 2019

NON MAJOR ELECTIVE



Year : I / ~~II~~ / III Subject : NON-CONVENTIONAL ENERGY SOURCES Subject Code : SNRED Subject i/c : Dr. T. EVANGELINE REBECCA

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
26/11/18 - 27/11/18	2	I	<p>OBJECTIVE :</p> <p>To understand the need for alternate sources of energy</p> <p>* Conventional energy sources</p> <p>- Coal, petrol, natural gas.</p>		Completed	✓
04/12/18 - 05/12/18	2	I	<p>* Non - conventional energy sources.</p> <p>- Solar Energy, Wind Energy</p> <p>- Tidal energy, HDR, Geothermal and Biomass energies.</p> <p>* Introduction to solar energies.</p>	Assignment	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
11/12/18 - 12/12/18	2	I	<ul style="list-style-type: none"> - Direct Solar Energy. - Indirect Solar Energy. - Solar energy conversion - Solar energy collectors - storage of solar energy. - Advantages 	Assignment	Completed	✓
19/12/18 - 20/12/18	2	II	<p>Applications of Solar Energy.</p> <ul style="list-style-type: none"> * Solar water heater. * solar driers. * Solar cookers. * - Design - working 		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
03/01/19 - 04/01/19	2	<u>II</u>	<ul style="list-style-type: none"> * Solar cells <ul style="list-style-type: none"> - Diagram - Working - Advantages * Solar electric power generation <ul style="list-style-type: none"> - Solar panel * Solar distillation Solar pumping. 	Assignment	Completed	✓
11/01/19	1	<u>III</u>	<p>I INTERNAL ASSESSMENT</p> <p>WIND ENERGY.</p> <ul style="list-style-type: none"> * Basic principles of wind energy conversion. * Power and energy production * Components of Wind mill. * Control system. 	Test.	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
22/01/19 - 23/01/19	2	III	<ul style="list-style-type: none"> * Advantages of wind energy * Disadvantages of wind energy conversion systems. * Applications of wind energy. * Tidal energy - Energy utilization for the production of electricity. 		Completed	✓
30/01/19	1	IV	<ul style="list-style-type: none"> * Energy from tides <ul style="list-style-type: none"> - Tidal basin and dam. - During high tides - During low tides. 	Test	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
31/01/19	1	<u>IV</u>	* Utilization of Tidal power. - Advantages of using tidal power.		Completed	
08/02/19	1	<u>V</u>	II INTERNAL ASSESSMENT. ENERGY FROM OTHER SOURCES * Introduction * Chemical energy.			
14/02/19 - 15/02/19	2	<u>I</u>	* Nuclear energy * Nuclear power plant. * Concept. * design. * Working.		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
22/02/19 - 23/02/19	2	<u>V</u>	<ul style="list-style-type: none"> * Energy storage. * Energy distribution. * Discussion about other sources of energy. 	Test	Completed	✓
04/03/19 - 07/03/19			MODEL EXAM			
09/03/19 - 11/03/19	2		REVISION <ul style="list-style-type: none"> * Discussion of previous year's University question papers. 		Completed	✓
18/03/19 - 19/03/19	2		<ul style="list-style-type: none"> * Tests in Units 1, 2, 3. 			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
25/03/19 - 26/03/19	2		<p>* Tests in Units 4, 5.</p> <p>Books for Reference .</p> <p>1. Non-Conventional sources of Energy - G.D. Rai .</p> <p>2. Solar Energy, Principles of Thermal Collection and Storage - S. P. Sukhatrie</p> <p>3. Energy Technology . - S. Rao .</p>	✓	Completed	✓

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS NOVEMBER 2018 – MARCH 2019

Year : I / II / III Subject : ATOMIC PHYSICS Subject Code : TAC 4D Subject i/c : Dr. T. EVANGELINE REBECCA

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
22/11/18	1		OBJECTIVE : To make the students understand the concepts of discharge phenomenon through gases, X-ray spectra and Compton Effect.		Completed	
23/11/18 - 26/11/18	2	<u>I</u>	DISCHARGE PHENOMENON THROUGH GASES: POSITIVE RAYS : - Discharge phenomena - Uses of discharge phenomena - Generation of positive rays - Properties of positive rays	Assignment.	Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
27/11/18 - 28/11/18	2	I	Mass spectrograph. - Introduction - Uses of Mass Spectrograph - Types of Mass Spectrograph Dempster's Mass Spectrograph. - Diagram - Experimental Arrangement - Calculation - Determination of masses of the isotopes.	Assignment.	Completed	✓
29/11/18 - 30/11/18	2	I	Aston's mass spectrograph. - Apparatus, Explanation - Derivation to obtain the condition of focussing. - Detection of isotopes - Advantages, Limitations.		Completed	✓



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
04/12/18	1		<p>Specific charge of an electron</p> <ul style="list-style-type: none"> - Discovery of cathode rays - Nature of cathode rays. - Specific charge : $\frac{e}{m}$ ratio. 	Test	Completed	✓
05/12/18 - 06/12/18	2	I	<p>Dunnington's method for determining $\frac{e}{m}$:</p> <ul style="list-style-type: none"> - Experimental arrangement - Explanation & Calculation. <p>Magnetron method:</p> <ul style="list-style-type: none"> - Experimental arrangement - Explanation & Calculation. 	Assignment	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
07/12/18 - 08/12/18	2		I INTERNAL EXAM The Lorentz force : - Definition - Equation of motion. Motion of charged particle in an uniform electric field & magnetic field - Explanation - Derivation.	Assignment	Completed	✓
11/12/18 - 12/12/18	2		Motion of a charged particle under crossed electric and magnetic fields. - Explanation - Derivation.		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
13/12/18	1	<u>I</u>	<p>Motion of a charged particle in parallel electric and magnetic fields.</p> <ul style="list-style-type: none"> - Explanation. - Derivation. 	Test	Completed	✓
14/12/18, 17/12/18	2	<u>II</u>	<p>PHOTO-ELECTRIC EFFECT.</p> <ul style="list-style-type: none"> * Introduction * History * Definition * Richardson's Experiment and Compton experiment. 		Completed	✓



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19-12-18 - 21/12/18	2	<u>II</u>	* Laws of photoelectric emission * Einstein's photo electric equation * Millikan's experiment * Verification of photoelectric equation	Test	Completed	✓
22/12/18 - 24/12/18	2	<u>II</u>	* Photo electric cells. * Photo-emissive cell * Photo-voltaic cell. - Construction - Working - Diagram.		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
03/01/19 - 04/01/19	2	<u>II</u>	* Photo conducting cell. - Principle - Construction - Working - Applications * Photomultiplier - Diagram - Explanation.	Test	Completed	✓
11/01/19	1	<u>III</u>	ATOMIC STRUCTURE Bohr atom model - Bohr postulates - Bohr radius - Energy expression		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
12/01/19	1	<u>III</u>	Sommerfeld atom model Vector atom model - Quantum numbers associated with vector atom model.	Test	Completed	
18/01/19	1	<u>III</u>	- Pauli's Exclusion Principle - Explanation of periodic table. - Various quantum numbers - Angular momentum		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19/01/19	1	<u>III</u>	<ul style="list-style-type: none"> * Magnetic moment * Coupling schemes * LS and JJ coupling 	Assignment	Completed	✓
22/01/19	1	<u>III</u>	<ul style="list-style-type: none"> * Special quantisation * Bohr magneton * Stern and Gerlach experiment 		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
23/01/19	1	<u>IV</u>	<p><i>Ionisation potential and splitting of energy levels.</i></p> <ul style="list-style-type: none"> <i>* Introduction</i> <i>* Excitation and ionisation potential.</i> <i>* Frank & Hertz's experiment.</i> 		Completed	✓
24/01/19 - 25/01/19	2	<u>IV</u>	<ul style="list-style-type: none"> <i>* Davis and Goucher's method</i> <i>* Spectral terms and notions</i> <i>* Selection rules.</i> <i>* Intensity rule and interval rule</i> <i>* Fine structure of sodium D lines</i> 	Assignment	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
28/01/19 - 30/01/19	2	<u>IV</u>	<ul style="list-style-type: none"> * Alkali spectra - * fine structure of alkali spectra. * Spectrum of helium. * Zeeman effect - Larmor's theorem - Debye's explanation of normal Zeeman effect. 		Completed	
31/01/19 - 01/02/19	2		<ul style="list-style-type: none"> * Anomalous Zeeman effect. * Theoretical explanation. * Landé's 'g' factor and explanation of splitting of D_1 and D_2 lines of sodium. * Paschen-Back effect. * Stark effect. 	Test.	Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
04/02/19 - 07/02/19			<u>II</u> INTERNAL ASSESSMENT			
08/02/19	1	<u>V</u>	<u>X-rays:</u> Production of X-rays: (i) The gas tube (ii) The Coolidge tube - Diagram, Description and explanation.	Test	Completed	✓
09/02/19 - 11/02/19	2	<u>V</u>	* Properties of X-rays * Nature of X-rays. * Polarisation of X-rays * Diffraction phenomenon with X-rays.		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
12/02/19 - 14/02/19	2	<u>V</u>	Absorption of X-rays. - Intensity of X-rays - Diagram - Experimental study. X-ray Absorption edges - Explanation	Assignment	Completed	✓
15/02/19 - 18/02/19	2		Bragg's X-ray spectrometer. - Bragg's Law - Derivation - Experimental arrangement - Working - Calculation of d.		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19/02/19 - 20/02/19	2		<p>X-ray spectra .</p> <ul style="list-style-type: none"> - Main features of continuous X-ray spectrum . - Duane - Hunt Law - Explanation . <p>Characteristic X-ray spectrum .</p> <ul style="list-style-type: none"> - Methods of production - Origin of characteristic X-rays . 		Completed	✓
22/02/19 - 23/02/19	2		<p>Auger effect - Explanation</p> <p>Satellites - Characteristics of satellite lines .</p> <ul style="list-style-type: none"> - Explanation of satellite lines . <p>Moseley's Law .</p> <ul style="list-style-type: none"> - Statement, Explanation & Importance . 	Test	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
25/02/19 - 26/02/19	2		Compton Scattering - Compton effect. - Explanation with diagram - Derivation for Compton wavelength.	Assignment	Completed	✓
27/02/19 - 01/03/19.	2	V	Experimental verification of Compton effect - Experimental arrangement - Diagram & Explanation.		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
04/03/19 - 07/03/19	2		MODEL EXAM			
09/03/19 - 11/03/19			Problems: Compton Effect		Completed	✓
12/03/19 - 14/03/19	3		Revision			
18/03/19 - 20/03/19	3		- University Exam question paper discussion		Completed	✓
21/03/19 - 22/03/19	3		- Part 'A' - Questions test for units I, V - Part 'B', Questions discussion * Solving problems in I & V units			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
25/03/19 - 27/03/19	3		<p>Part C - Question discussion</p> <p>References :</p> <ol style="list-style-type: none"> Modern Physics <ul style="list-style-type: none"> - R. Murugesan - Kiruthiga Sivaprasath Modern Physics <ul style="list-style-type: none"> - D.L. Sehgal, K.L. Chopra and N.K. Sehgal. Atomic and Nuclear physics <ul style="list-style-type: none"> - Brij Lal and N. Subramanyam. 			

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DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS NOVEMBER 2018 – MARCH 2019

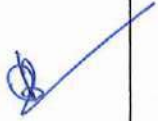

Year : I / II / III Subject : ENVIRONMENTAL STUDIES Subject Code : ENV4A Subject i/c : DR. T. EVANGELINE REBECCA

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
28/11/18	1	I	<p>The multidisciplinary nature of environmental studies.</p> <p>Objective : To make the student understand about environmental studies.</p> <p>- Definition, scope and importance.</p>		Completed	✓
06/12/18	1	I	<p>* Need for public awareness.</p> <p>* Importance of multidisciplinary nature of environmental studies and what are the scope of it.</p>		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
18/12/18 - 21/12/18	2	II	<p><i>Natural resources.</i></p> <p>* Introduction to renewable and non-renewable resources.</p> <p>→ Forest resources</p> <p>→ Water resources.</p> <p>→ Mineral resources.</p>	Assignment	Completed	✓
05/01/19	1		<p>* Uses of forest resources, water resources & mineral resources.</p> <p>* Uses and cases studies about the renewable and non-renewable resources.</p>		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
12/01/19	1	<u>III</u>	<p><u>ECOSYSTEMS</u></p> <ul style="list-style-type: none"> * Introduction to the concept of ecosystem. * Structure and function * Energy flow in the ecosystem * Ecological succession 		Completed	
			<p><u>I INTERNAL ASSESSMENT</u></p> <ul style="list-style-type: none"> * Producers, consumers & decomposers. * Energy flow in the ecosystem. * Ecological succession * Food chain * Food webs & ecological pyramids. 	Test	Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		<u>III</u>	Types of ecosystem (a) Forest ecosystem (b) Grassland ecosystem (c) Desert ecosystem (d) Aquatic ecosystem. (ponds, streams, lakes, rivers, oceans, estuaries).	Assignment.	Completed	
24/01/19	1	<u>IV</u>	Biodiversity and its conservation. * Introduction to bio-diversity and its conservation * Definition of genetic, species and ecosystem diversity.		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		<u>IV</u>	<ul style="list-style-type: none"> * Introduction to biogeographical classification of India. * Value of biodiversity <ul style="list-style-type: none"> * consumptive use. * productive use * social, ethical, aesthetic and option values. 	Test.	Completed	
01/02/19	1	<u>IV</u>	<ul style="list-style-type: none"> * Threats to biodiversity: <ul style="list-style-type: none"> - habitat loss - poaching of wildlife. - man-wildlife conflicts * Conservation of biodiversity. <ul style="list-style-type: none"> - In-situ conservation of biodiversity. - Ex-situ conservation of biodiversity. 	Spoken	Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
09/02/19	1	V	<p>ENVIRONMENTAL POLLUTION</p> <p>* Definition of environmental pollution.</p> <p>* Types of pollution, cause, effects</p> <p>* Control measures of</p> <ul style="list-style-type: none"> - air pollution - water pollution - soil pollution 	Assignment	Completed	✓
18/02/19	1	V	<ul style="list-style-type: none"> - Marine pollution - Noise pollution - Thermal pollution - Nuclear hazards <p>* Solid waste management</p> <p>* Causes, effects</p> <p>* Control measures of urban and industrial wastes.</p>			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
25/02/19	1	<u>V</u>	<ul style="list-style-type: none"> * Role of an individual in prevention of pollution. * Case studies on pollution. * Disaster management <ul style="list-style-type: none"> - floods - earthquake - cyclone - landslides. 			
12/03/19	1		Revision : - University Exam question paper discussion.			
20/03/19 27/03/19	2		- Part A, Part B, Part C question discussion			


Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			Reference books :			
			(a) Agarwal, K.C. 2001 Environmental Biology, Nidi Publ. Ltd. Bikaner.			
			(b) Clark R.S., Marine Pollution, Clarendon Press Oxford.			
			(c) Miller T.G. Jr. Environmental Science, Wadsworth Publishing Co. (TB)			
			(d) Trivedi R. J and P.K. Jod. Introduction to air pollution, Techno - Science Publication (TB)			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF PHYSICS WITH COMPUTER APPLICATIONS NOVEMBER 2018 – MARCH 2019

Year : I/H/III Subject : PHYSICS PRACTICAL IV Subject Code : TAc 62 Subject i/c : Dr. T. EVANGELINE REBECCA.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
23/11/18	3		UJT characteristics.		Completed	✓
30/11/18	3		UJT relaxation oscillator		Yet to complete	✓
08/12/18	3		Transistor - Astable Multi-vibrator		Completed	✓
17/12/18	3		Transistor - Bistable Multi vibrator.		Completed	✓
24/12/18	3		Bridge rectifier - Zener regulated power supply		Yet to complete	✓
19/01/19	3		Emitter follower.		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
28/01/19	3		Repeat class		Completed	
12/02/19	3		Lab Model Exam I			
20/02/19	3		Lab Model Exam II		Completed	
27/02/19	3		Practice for University Exam.			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			Books for Reference - C.C. Ouseph, V.T. Rao and V. Vijayendran Practical Physics.			

LESSON PLAN

SIC/BCA/2018-19/EVEN/LP/DOC-04

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SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER APPLICATIONS NOVEMBER 2018 – MARCH 2019

Year : I / II / III ✓ Subject : DATA COMMUNICATION NETWORKING Subject Code : SAZ6B Subject i/c : M. GRACE



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>NOVEMBER</u> <u>WEEK 3</u> 22.11.18 to 24.11.18	1	UNIT I	<u>OBJECTIVE</u> To learn about the data sharing, how it is done and what are the ways and its uses.			checked & Verified
			Introduction to Data Communication, Networks, Protocol and standards. Standards Organizations.		Completed	checked & Verified <i>Grace</i>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 4</u> 26.11.18 to 30.11.18	2	UNIT I	<u>Line Configuration:</u> Point-to-Point and Multipoint. <u>Topology:</u> Mesh, Star, Tree, Bus, Ring and Hybrid Topologies.	Test 1	Completed	checked & Verified <i>[Signature]</i>
<u>DECEMBER</u> <u>WEEK 1</u> 3.12.18 to 8.12.18	3	UNIT I	<u>Transmission Mode:</u> Simplex, Half-Duplex, Full-Duplex. <u>Categories of Networks:</u> Local Area Network (LAN) Metropolitan Area Network (MAN) Wide Area Network (WAN)	Assignment	Completed	checked & Verified <i>[Signature]</i>

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 2</u> 10.12.18 to 14.12.18	3	UNIT I	<u>OSI Model: Layers of OSI Model:</u> Physical Layer, Data Link Layer, Network Layer, Transport Layer, Session Layer, Presentation Layer, Application Layer.	Test	Completed	checked & Verified HAC
<u>WEEK 3 & 4</u> 17.12.18 to 22.12.18 x 24.12.18	3	UNIT III	<u>OBJECTIVE:</u> To learn about the different types of multiplexing. Multiplexing, <u>Types of multiplexing:</u> Frequency Division multiplexing, Time-Division multiplexing.			checked & Verified HAC


Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>JANUARY</u> <u>WEEK 1</u> 02.01.19 to 05.01.19	3		Nave - Division multiplexing, <u>Multiplexing Application:</u> Telephone System, Analog, Service, Analog Switched Service, Analog Leased Service, Telephone System continued.	Test	Completed	checked 2 Verified <i>[Signature]</i>
<u>WEEK 2</u> 07.01.19 to 12.01.19			I INTERNAL ASSESSMENT			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 3</u> 18.01.19 to 19.01.19	-		<u>Digital Services</u> : Switched/56 Service, Digital Data Service, Digital Signal (DS) Service, <u>Project 802</u> : IEEE 802.1, LLC, MAC, Ethernet.	Test-	Completed	checked & Verified Mac
<u>WEEK 4</u> 21.01.19 to 25.01.19	3	UNIT III	Token Bus, Token Ring, FDDI, IEEE 802.6. <u>SMDS</u> : SMDS Architecture, SIP Level 3, SIP level 2, SIP level 1, Features.	Assignment.	Completed	checked & Verified Mac

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 5</u> 28.01.19 to 31.01.19	2	UNIT III	<u>Circuit Switching</u> : Space-Division Switches, Time-Division Switches, TDM Bus, PSTN. <u>Packet Switching</u> : Datagram, Approach, Virtual circuit approach, Message & switching Connection Oriented and Connectionless	Test	Completed	checked & Verified 
<u>FEBRUARY</u> <u>WEEK 1</u> 01.02.19	1	UNIT IV	Repeaters, <u>Bridges</u> : Types of Bridges: Simple Bridge, Multiport Bridge, Transparent Bridge, <u>Routers</u> : Least-cost Routing. Gateways.		Completed	checked & Verified 

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 2</u> 04.02.19 to 09.02.19			<u>II INTERNAL ASSESSMENT</u>			
<u>WEEK 3</u> 11.02.19 to 15.02.19	2	<u>UNIT V</u>	<u>OBJECTIVE:</u> To learn about various Routing Algorithm. <u>Routing Algorithms:</u> Distance Vector Routing, Link State Routing, TCP/IP Network, Transport Layers	Test	completed	checked & verified A

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			Application Layers of TCP/IP. Duties of the Transport Layer, End-to-End Delivery Addressing, Reliable Delivery Flow control, Multiplexing.	Assignment-	Completed	checked & Verified J
<u>WEEK 4</u> 18.02.19 to 23.02.19			Transport Protocol. <u>Application Layer</u> : Message Handling System, Structure of MHS, File Transfer, Access and Mgt, Virtual Terminal, Directory Services (DS)	Test	Completed	checked & Verified J

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 5</u> 25.02.19 to 28.02.19	2	UNIT V	Common Mgt Information Protocol (CMIP). World Wide Web. <u>REFERENCE:</u> Behrouz and Forouzan-zod, Introduction to Data Communication and Networking 2nd Edition, TMH.	Seminar.	Completed	checked & Verified 
<u>MARCH</u> <u>WEEK 2</u> 04.03.19 to 09.03.19	3		MODEL EXAMINATION			Checked

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 3</u> 11.03.19 to 15.03.19	3		UNIVERSITY QUESTION PAPER DISCUSSION			
<u>WEEK 4 & 5</u> 18.03.19 to 23.03.19	3		REVISION			
25.03.19 to 27.03.19	2		REVISION			

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SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER APPLICATIONS NOVEMBER 2018 – MARCH 2019

Year : I / II / III Subject : OPERATING SYSTEMS Subject Code : SAZ4B Subject i/c : M. GRACE



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>NOVEMBER</u> WEEK 3 22.11.18 to 24.11.18	3	UNIT I	<u>OBJECTIVE</u> To learn about the basic concepts of operating system and also the various resources, how it is managed.			
			Introduction, Views, Goals, Types of system. OS structure, components, services, operating system structures. Layered approach virtual machines, system design and implementation		Completed	Checked & Verified \$

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 4</u> 26.11.18 to 30.11.18	5	UNIT I	<u>Process Management</u> : Process, Process Scheduling, cooperating process, Threads, Interprocess Communication. <u>CPU Scheduling</u> CPU Schedulers, Scheduling criteria.	Test	Completed	Checked & Verified ✍
<u>DECEMBER</u> <u>WEEK 1</u> 3.12.18 to 8.12.18	6	UNIT I	<u>Scheduling Algorithms</u> : First- come First-Served, Shortest- Job First, Priority, Round- Robin, Multilevel Queue, Multi- -level Feedback. <u>Process</u> <u>Synchronization</u> : critical section		Completed	Checked & Verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 2</u> 10.12.18 to 14.12.18	5	UNIT I	problem. Synchronization Hardware, Semaphores. <u>Classic problems of Synchronization:</u> Bounded - Buffer Problem, Readers- Writers Problem, Dining - Philosophers Problem, Critical Region.	Assignment	Completed	Checked & Verified 
<u>WEEK 3 & 4</u> 17.12.18 to 22.12.18 x 24.12.18	7	UNIT II	Monitors. Deadlock characteri- zation. Methods for handling Deadlocks, Prevention, Avoidance. Banker's Algorithm, Detection of Deadlock, Recovery from deadlock.	Test	Completed	Checked & Verified 


Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>JANUARY</u> WEEK 1 02.01.19 to 05.01.19	4	UNIT II	Memory Management: Address Binding, Dynamic loading and linking, overlays logical and physical address space.	Assignment	Completed	Checked & Verified ★
<u>WEEK 2</u> 07.01.19 to 12.01.19	6		I INTERNAL ASSESSMENT			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 3</u> 18.01.19 to 19.01.19	2	UNIT III	Contiguous allocation, Internal and External Fragmentation. Non Contiguous allocation, paging and segmentation schemes, Implementation, Hardware protection, Sharing, Fragmentation.	Test	Completed	Checked & Verified A
<u>WEEK 4</u> 21.01.19 to 25.01.19	5	UNIT IV	<u>Virtual Memory</u> : Demand paging, Page replacement, <u>Page Replacement Algorithm</u> : FIFO page Replacement, Optimal, page Replacement, LRU page Replacement, Thrashing.	Assignment	Completed	Checked & Verified A

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 5</u> 28.01.19 to 31.01.19	4	UNIT II	<u>File System Concepts</u> : Access Methods, File attributes, File Operations, File types, File Structure, Internal file Structure.	Test	Completed	Checked & Verified 
<u>FEBRUARY</u> <u>WEEK 1</u> 01.02.19	1	UNIT IV	<u>Directory Structure</u> : Single-Level, Two-level, tree-structured, acyclic-graph, Protection Consistency, Semantics, File system structures, allocation methods, Free Space Management.	Seminar	Completed	Checked & Verified 

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 2</u> 04.02.19 to 09.02.19	6		<u>II</u> INTERNAL ASSESSMENT			
<u>WEEK 3</u> 11.02.19 to 15.02.19	5	UNIT II	<u>I/O Systems: Overview,</u> I/O Hardware, Polling, Interrupts, Direct Memory Access. <u>Application I/O Interface:</u> Block and character Devices, network devices, clocks and Timers	Test	Completed	Checked & verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
		UNIT V	Blocking and Non-blocking I/O. kernel I/O subsystem: I/O scheduling, Buffering, caching spooling and device Reservation, error handling.	Test	Completed	Checked & Verified A
WEEK 4 18.02.19 to 23.02.19	6	UNIT V	Transforming I/O to Hardware Operations, Performance. Secondary Storage Structures: Protection, Goals, Domain. Access Matrix, The security problem, authentication, threats.	Assignment	Completed	Checked & Verified A

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 5</u> 25.02.19 to 28.02.19 * 01.03.19	5	UNIT V	Threat Monitoring, Encryption <u>Encryption</u> : Concepts, methods for encryption. <u>REFERENCES</u> : 1. A. Galvin B. Grange 2002, Operating System Principles, Sixth Edition.	Seminar	Completed	Checked & Verified 
<u>MARCH</u> <u>WEEK 2</u> 04.03.19 to 09.03.19			MODEL EXAMINATION			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 3</u> 11.03.19 to 15.03.19			UNIVERSITY QUESTION PAPER DISCUSSION			
<u>WEEK 4 & 5</u> 18.03.19 to 23.03.19 25.03.19 to 27.03.19			REVISION REVISION			

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SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER APPLICATIONS NOVEMBER 2018 – MARCH 2019

Year : I / II / III Subject : PROGRAMMING IN C LAB Subject Code : SAEN Subject i/c : M. ARACE

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
NOVEMBER						Checked & Verified \$
22.11.18	1		Summation Series $\sin(x)$		Completed	Checked & Verified \$
26.11.18	2		Summation Series $\exp(x)$		Completed	Checked & Verified \$

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
29.11.18	1		Summation Series $\cos(x)$		Completed	Checked & Verified H
DECEMBER 04.12.18	2		Substring detect count and removal.		Completed	Checked & Verified H

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
07.12.18	<u>1</u>		Finding and Replacing Substring.		Completed	checked & Verified ✍
11.12.18	<u>2</u>		Finding and Replacing Substring - Practice.		Completed	checked & Verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
14.12.18	1		Recursion NPR		Completed	Checked & Verified A
19.12.18	2		Recursion NCR		Completed	Checked & Verified A

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
22.12.18	1		Recursion NPR & NCR - Practice		Completed	Checked & Verified AG
JANUARY 03.01.19	2		GCD of two numbers, Fibonacci Series.		Completed	Checked & Verified AG

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
07.01.19 vs 10.01.19			<u>I</u> INTERNAL ASSESSMENT			
18.01.19	1		Maximum and Minimum.		Completed	checked & Verified H

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
22.01.19	2		Matrix addition and subtraction		Completed	Checked & Verified [Signature]
25.01.19	1		Matrix Multiplication		Completed	Checked & Verified [Signature]

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
30.01.19			Transpose of a Matrix.		Completed	Checked & Verified ★
FEBRUARY						
04.02.19 x			II INTERNAL ASSESSMENT			
06.02.19						

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
11.02.19	1		Trace of a Matrix.		Completed	Checked Verified ★
14.02.19	2		Linear Search, Binary Search.		Completed	Checked Verified ★

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19.02.19	1		PRACTICE			
22.02.19	2		REVISION			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER APPLICATIONS NOVEMBER 2018 – MARCH 2019

Year : I/II/III Subject : Client/Server Computing Subject Code : SEZ6E Subject i/c : MD Anitha Devi

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Nov 22-24 <u>III</u>	2	I	<p>OBJECTIVE :</p> <p>The goal of client/server computing is to allow every network node to be accessible as needed by an application and to allow s/w components to work together</p> <p>Introduction to cls computing</p>		completed	checked & verified ✍
Nov 26-30 <u>IV</u>	5	I	<p>What is client/Server computing - Benefits of client/server computing</p>		completed	checked & verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Dec 03-08 <u>I</u>	5	<u>I</u>	Evolution of cls computing Hardware Trends - software Trends, Evolution of operating Systems - New Trends - Business considerations		completed	checked & verified A
Dec 10-14 <u>II</u>	4	<u>II</u>	Overview of cls Applications components of cls application, categories of cls - Applications, classes of cls Applications.		completed	checked & verified A

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Dec 17-24 <u>IV</u>	6	<u>II</u>	Understanding cls computing : Dispelling the myths obstacles - Upfront & Hidden - open Systems and standards - setting organizations - factors of success	Test	completed	checked & verified A
Jan 02-05 <u>I</u>	3	<u>III</u>	The client Hardware & software : client component client operating systems.		completed	checked & verified A

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Jan 07-12 <u>II</u>	5	<u>III</u>	I Internal Assessment Test	✓		
Jan 18, 19 <u>III</u>	2	<u>III</u>	What is GUI Database Access. client software products		completed	checked & verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Jan 21-25 <u>IV</u>	4	<u>III</u>	GUI Environments - Converting 3270/5250 Screens - Database Tools - client Requirements: GUI Design standards Open GUI standards - Interface Independence - Testing Interfaces.	Assignment	completed	checked & verified ✍
Jan 28-31 + Feb 01 <u>V</u>	4	<u>IV</u>	The Server : categories of server - Features of Server Machines. classes of server machines server Environment : Nlw Management Environment - Nlw computing.		completed	checked & verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Feb 04-09 <u>I</u>	5	<u>IV</u>	<u>II</u> Internal Assessment Test Extensions - Network OS Loadable Module.		Completed	checked & Verified ★
Feb 11-15 <u>II</u>	4	<u>V</u>	Server operating System: OS/2 2.0 windows New Technology.		Completed	checked & Verified ★

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Feb 18-23 <u>III</u>	5	<u>V</u>	Unix Based operating System - Server Requirements Platform independence. Testing and Diagnostic Tools.	Test	Completed	Checked & Verified ✍
Feb 25-28 <u>IV</u>	3	<u>V</u>	Transaction processing connectivity - Intelligent Database stored Procedure Triggers - Load leveling optimizer.	Seminar	Completed	Checked & Verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Mar 01	1	V	Back up and Recovery Mechanisms.		Completed	Checked & Verified [Signature]
Mar 04-09 I	5		MODEL EXAM			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Mar 11-15 <u>II</u>	4		Unit I & II Revision			
Mar 18-23 <u>III</u>	5		Unit III & IV Revision			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
May 25 - 27 IV	3		Unit - V Revision			
			University Theory Exam			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER APPLICATIONS NOVEMBER 2018 – MARCH 2019

Year : I / II / III Subject : Computer Graphics Subject Code : SAZ4C Subject i/c : M. Anitha Devi

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Nov 22-24 <u>II</u>	2	<u>I</u>	OBJECTIVE: It focus on the video display devices and its different types. How the display on the screen is achieved like - drawing circle ellipse generating algorithm.		completed	checked & verified ✱
Nov 26-30 <u>IV</u>	3	<u>I</u>	Brief survey of computer Graphics. Graphics Systems: video Display Devices - Types - Raster - Scan Types Systems.		completed	checked & verified ✱



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Dec 03-08 I	4	I	Random - Scan Systems Video Controller, Display processor, Graphics Monitor and workstation	TEST	completed	checked & verified ✍
Dec 10-14 II	4	I	Input Devices - Keyboards Mouse, Joysticks, Light pen. Hard copy devices		completed	checked & verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Dec 17-24 <u>III</u>	4	<u>I</u>	Graphics Software, Functions, Software standards PHIGS workstations.		completed	checked & verified ✍
Jan 02-05 <u>I</u>	3	<u>III</u>	Two Dimensional Transformations and viewing, Basic Transformations Matrix Representations and Homogeneous coordinates		completed	checked & verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Jan 07-12 <u>III</u>	4	<u>III</u>	I Internal Assessment Test Composite Transformations Other Transformations.		completed	checked & verified ✱
Jan 18, 19 <u>III</u>	1	<u>III</u>	Window - to - Window Viewport coordinate Transformation - clipping Algorithms : Cohen Sutherland Line clipping and Sutherland.	TEST	completed	checked & verified ✱

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Jan 21-25 <u>IV</u>	4	<u>III</u>	Hodgemen polygon clipping- Basic Modeling concepts - Interactive Input Methods: Logical classification of ilp Devices - Interactive picture Construction Techniques.	Assignment	completed	checked & verified #
Jan 28-31 + Feb 01	3	<u>IV</u>	Polygon Surfaces: Polygon Tables, plane Equations and polygon Meshes - Three- Dimensional Transformations: Basic, other and composite Transformation.	TEST	completed	checked & verified #

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Feb 04-09 <u>I</u>	4		<u>II</u> INTERNAL ASSESSMENT TEST			
Feb 11-15 <u>II</u>	3	<u>V</u>	Viewing pipeline and coordinates - Transformation from world to viewing coordinates	Assignment	completed	checked ✓ Verified ✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Feb 18-23 <u>III</u>	4	<u>V</u>	Projection Transformations Matrices view volumes and General projection Transformations.		Completed	checked & Verified 
Feb 25-28 <u>IV</u>	3	<u>V</u>	view volumes - Hidden Surface and Hidden Line Elimination Methods Back - Face Detection	TEST	Completed	checked & Verified 

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Mar 01	1	V	Depth Buffer and A-Buffer methods wireframe methods	Seminar	completed	checked se Verified ✱
May 04-09 I	4		MODEL EXAM			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Mar 11-15 <u>II</u>	3		Unit - I Revision			
Mar 18-23 <u>III</u>	4		Unit - <u>III</u> & <u>IV</u> Revision			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Mar 25-27 <u>IV</u>	2		Unit - <u>V</u> Revision			
			University Theory Exam			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER APPLICATIONS NOVEMBER 2018 – MARCH 2019

Year : I/H/III Subject : Programming in 'C' Subject Code : SAEIA Subject i/c : M. Anitha Devi.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Nov 22-24 <u>III</u>	1		OBJECTIVE: It starts with the overview of C, then discusses how to declare constants, variables and datatypes, also describes the bottom built-in operator, decision making, branch function, array, structure, point, files			
Nov 26-30 <u>IV</u>	3	I	Fundamental character set Identifier and keywords - datatypes constants - variables - Declarations - Expression Statement.		completed	checked & verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Dec 03-08 <u>I</u>	4	<u>I</u>	Arithmetic, Unary, Relational and logical, Assignment operators, conditional operators, Library functions		completed	checked & verified ✍
Dec 10-14 <u>II</u>	4	<u>II</u>	Data i/p & o/p functions. Simple C programs - flow of control - if, if-else, while, do-while, for loop.		completed	checked & verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Dec 17-25 <u>IV</u>	4	<u>II</u>	Nested Control structures -switch, break and continue statements.	TEST	completed	checked & verified ✍
Jan 02-05 <u>I</u>	4	<u>II</u>	Goto statements - comma operator.		completed	checked & verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Jan 07-12 <u>II</u>	4	<u>III</u>	I INTERNAL ASSESSMENT TEST Functions Definition Return values and their types.		completed	checked & verified ★
Jan 18, 19 <u>III</u>	1	<u>III</u>	Function prototypes - passing arguments and Return value. Recursions, Storage classes, Automatic passing array and string to functions		completed	checked & verified ★

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Jan 21-25 <u>IV</u>	4	<u>III</u>	Static, Register variables The scope, visibility and lifetime of variables, multifile programs. Arrays - Defining and processing.	Assignment	completed	checked & verified ✍
Jan 28-31 & Feb 01 <u>V</u>	4	<u>IV</u>	Passing Arrays to functions Multi-dimensional array - Array and string structures - User defined datatypes Passing structures to functions.		completed	checked & verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Feb 04-09 I	4	IV	II INTERNAL ASSESSMENT TEST Self referential structures Union - Bit-wise operators		completed	checked & verified AG
Feb 11-15 II	3	V	Pointers - Declarations Initialization, Accessing a variable through its pointer. Passing pointer to functions		completed	checked & verified AG

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Feb 18-23 <u>III</u>	4	<u>V</u>	Operation in pointers - Pointers and Arrays. Array of pointers, pointers and structures.	Seminar	Completed	Checked ✓ Verified ✍
Feb 25-28 <u>IV</u>	2	<u>V</u>	Files creating, processing file processing.		Completed	Checked ✓ Verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Mar 01	1	V	files - opening files - closing a data file.	Test	completed	checked & Verified ★
Mar 04-09	4		MODEL EXAM			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Mar 11-15 <u>II</u>	4		Unit I & II Revision			
Mar 18-23 <u>III</u>	4		Unit III & IV Revision			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Mar 25-27 <u>IV</u>	3		Unit <u>V</u> Revision			
			University Theory Exam.			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

(112)

DEPARTMENT OF COMPUTER APPLICATIONS NOVEMBER 2018 – MARCH 2019



Year : I / II / III Subject : Programming in 'C' Lab Subject Code : SAE11 Subject i/c : M. Anitha Devi

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
NOV 22-24 <u>III</u>	4		Summation Series $\sin(x)$		completed	checked & verified ✍
NOV 26-30 <u>IV</u>	6		Summation Series $\cos(x)$, Expt (C)		completed	checked & verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Dec 03-08 I	6		String Manipulation, Reverse a String and check for palindrome.		completed	checked & verified ✍
Dec 10-14 VI	4		Substring detect count and removal, Finding and replacing Substring.	Test	completed	checked & verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Dec 17-24 <u>III</u>	8		Recursion NPR and NCR		completed	checked & verified ✍
Jan 02-05 <u>I</u>	2		GCD of two numbers Fibonacci Series	TEST	completed	checked & verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Jan 07-12 <u>II</u>	6	6	I INTERNAL ASSESSMENT TEST			verified
Jan 18-19 <u>III</u>	4		Maximum and Minimum		completed	checked & verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Jan 21-25 <u>IV</u>	4		Towers of Hanoi, Matrix addition and Subtraction.		completed	checked & verified 
Jan 28-31 Feb 01 <u>V</u>	4		Matrix Multiplication, Transpose of a matrix	Test	completed	checked & verified 

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Feb 04-09 I	6		II Internal Assessment Test			✓
Feb 11-15 II	6		Trace of a Matrix, Determinant of a Matrix.		Completed	checked & verified ✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Feb 18-23 <u>III</u>	6		Linear Search, Binary Search		Completed	Checked & Verified ✍
Feb 25-28 <u>IV</u>	4		Insertion Sort Bubble Sort		Completed	checked & Verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Mar 01	2		Practice			
Mar 04-09 I	6		MODEL EXAM			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Mar 11-15 <u>II</u>	4		University practical			
Mar 18-23 <u>III</u>	6		Revision			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
May 25-27 <u>IV</u>	2		Revision			

LESSON PLAN

2019 - 2020

ODD SEMESTER

DEPARTMENT OF COMPUTER SCIENCE SHIFT II

DEPARTMENT OF ENGLISH

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN



DEPARTMENT OF COMPUTER SCIENCE

SHIFT II

ODD SEMESTER – LESSON PLAN

2019 - 2020

NAME OF THE STAFF : J.VIMAL ROSY

SUBJECTS HANDLED

CLASS	SUBJECT CODE	SUBJECT NAME
II M.Sc	PSDEE	CRYPTOGRAPHY
I M.Sc	PSD12	ADVANCED JAVA PROGRAMMING LAB
III B.Sc	SEE5A	VISUAL PROGRAMMING
III B.Sc	SAE51	RDBMS LAB

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER SCIENCE [SHIFT-II] JUNE 2019 – NOVEMBER 2019

Year : I / II / III ✓ Subject : Cryptography Subject Code : P8DEE Subject i/c : J. VIMAL ROSY

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>JUNE</u> 19.06.19 to 21.06.19	5	I	<u>Objective</u> The main objective of this unit is to know about the importance of cryptography & how it helps in the field of network security.			
			<u>Introduction</u> : about OSI Security Architecture - Types of security Attacks - Security services - Security mechanisms - A model for network security.		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>JUNE 2</u> <u>JULY</u> 26.06.19 to 02.07.19	5	I	<u>Substitution Techniques</u> :- Caesar cipher - Monoalphabetic ciphers - playfair cipher - Hill cipher - Principles - Block cipher modes of operation - PRNG - linear		completed	
<u>WEEK 4</u>			Congruential generators - cryptographically generated random numbers - BBS Generator - ANSI X9.19, PRNG - TRNG (True Random Number Generators) .	Test (1)	completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 1</u> 03.09.19 to 10.09.19	5	I	stream cipher , Block cipher Design principles - Data Encryption standard (DES) - Key generation. simple problems - RC5 algorithm. Advanced Encryption standard (AES)	PPT	completed	
			Four stages of operation - Substitute bytes , shift Rows, mix columns , add round key - Decryption process - Pseudorandom Number generation & Stream ciphers.	Test (1)	Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 2</u> 11.09.19 to 18.09.19	5	I	Principles of pseudorandom number Generators, pseudorandom number Generation using a Block cipher, stream ciphers - RCH - True Random number	Test CD	completed	
			Generators with examples. Examples for Data Encryption standard and Advanced Encryption standard.	DB1	completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK-3</u> 19.09.19 to 26.09.19	5	<u>II</u>	<u>OBJECTIVE</u> The main objective of unit-2 is to learn about Number theory.			
			Modular arithmetic - Euler's theorem - Prime numbers - Fermat's theorem - Example. Euler's Totient function and Example.	Seminar	completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 4</u> 29.07.19 to 02.08.19	5	II	<u>Euclid's Algorithm</u> :- Determine GCD of a number with a simple problem. Chinese Remainder theorem with example.	Test (1)	completed	
			Tests for primality - Miller Rabin algorithm - Primarily and Factorization - Discrete logarithms.	Quiz	completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>August</u> <u>WEEK 1</u> 05.08.19 to 10.08.19			I INTERNAL ASSESSMENT EXAMINATION			
13.08.19 to 22.08.19	5	<u>III</u>	<u>Objective</u> The main objective of this unit-3 is to learn about the public key cryptography. Principles - public & private key.			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			<p>RSA algorithm - key management</p> <p>- Example - Diffie-Hellman key Exchange.</p> <p><u>objective</u></p> <p>The main objective of this unit - 4 is to know about</p>	test (1)	completed	
	5	<u>III</u>	<p>message Authentication and Hash functions.</p> <p>Authentication function - Requirements.</p>	PPT	completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
	5	<u>IV</u>	<u>Hash Function</u> :- Algorithm - Birthday attacks - Block chaining techniques - Secure Hash Alg - SHA 512 - Round Function - Ex.	Test (i)	completed	
<u>September</u> <u>WEEK - 1</u> 03.09.19 to 06.09.19			<u>II</u> INTERNAL ASSESSMENT EXAMINATION			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK - 2</u> 09.09.19 to 12.09.19	5	<u>V</u>	<u>Objective</u> The objective of unit - V is to learn about Digital Signature and authentication. Authentication mechanism - DSS - Digital signature standard.			
13.09.19 to 19.09.19	5	<u>V</u>	Protocol - Digital signature Standard - NIST overview - Digital signature schemes.	Test (1)	Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK 4</u> 20.09.19 to 27.09.19	5	<u>V</u>	E3 Gamal signature Scheme - Example - DSA (Digital Signature Scheme) - other Signature Schemes (Fiat-Shamir, Schnorr).	Quiz	Completed	
<u>October</u> 28.09.19 to 05.10.19	5	<u>V</u>	Key management - Authentication Protocols - Kerberos - (An example of a key Server - Authentication Service.		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK-2</u> 09.10.19 to 14.10.19			MODEL Examination <u>Reference :-</u> * William Stallings, 2005 cryptography & N/w Security Principles.			
15.10.19 to 23.10.19	5		Revisions on unit-wise 10 mark questions.			
23.10.19 to 25.10.19	5		Discussions on university Question papers.			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER SCIENCE [SHIFT-II] JUNE 2019 – NOVEMBER 2019

Year : I / II / III Subject : Advanced Java Programming LAB Subject Code : _____ Subject i/c : J. VIMAL ROSY

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>JULY</u> <u>WEEK - 3</u> 19.07.19 to 26.07.19	2		Introduction to JAVA, DEMO Simple programs and coding Practice.		Completed	
<u>WEEK - 4</u> 29.07.19 to 02.08.19	2	Program-1	HTML to Servlet Applications.		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>August</u> <u>WEEK - 1</u> 05.08.19 to 10.08.19	2	Program - 2	Applet to Servlet Communication		completed	
13.08.19 to 22.08.19	2		I Internal Examination			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK - 3</u> 26.08.19 to 30.08.19	2	Program-3	Designing online application with JSP.		completed	
<u>September</u> <u>WEEK - 1</u> 03.09.19 to 06.09.19	2	Program-4	creating JSP Program using Javabeans.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK - 2</u> 09.09.19 to 12.09.19	2	Program-5 Program-6	JAVA Database Connectivity 2 creating web services with RMI		completed	
<u>WEEK - 3</u> 13.09.19 to 19.09.19		Program-7	<u>II</u> Internal Examination creating 2 Sending E-mail with Java.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK - 4</u> 20.09.19 to 27.09.19	2	Program - 8	working with Enterprise Java beans		completed	
<u>October</u> 28.09.19 to 05.10.19	2	Program - 9	Building with Applications.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK - 2</u> 09.10.19 to 14.10.19	2		Printouts & Record Correction		completed	
<u>WEEK - 3</u> 15.10.19 to 23.10.19			Model Examination .			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER SCIENCE [SHIFT-II] JUNE 2019 – NOVEMBER 2019

Year : I / II / III ✓ Subject : Visual PROGRAMMING Subject Code : SEESA Subject i/c : J. VIMAL ROSY

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>JUNE</u> <u>WEEK -3</u> 17.06.19 to 24.06.19	6	I	<u>Objective</u> The unit introduces the basic idea about form designing and Tools. Variables, constants are explained with syntax & examples.			
			Introduction - Form layout - Explain about object - Toolbox - Events .		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			<u>Demo :-</u> Form layout window, IDE. Writing simple programs :- 1. How would you change the background color of the form?		completed	
<u>WEEK-4</u> 25.06.19 to 02.07.19	6	I	2. Draw a circle using only mouse event. 3. Convert Oct, Hex, Decimal using the function.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>JULY</u> <u>WEEK-1</u> 03.07.19 to 10.07.19	6	I	Datatypes - Fundamentals - Primitive Composite - ranges - creating controls - Locking controls - Deleting controls:	Test (1)	completed	
<u>WEEK-2</u> 11.07.19 to 18.07.19	6	I	Name property - Access keys - Scale property - Color property - Forms - Textboxes - label boxes - Grid - String - Format Fn - Editing tools.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK -3</u> 19.07.19 to 26.07.19	6	II	<u>Objective</u> This unit introduces and gives a clear idea about looping and its types. This helps to learn about condition execution & functions. are discussed with example.			
			<u>Looping</u> :- Indeterminate loops (while, do loop ... until, do while) with example. Explain the iteration.	Test(2)	completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>JULY - IV</u> 29.07.19 to 02.08.19	6	II	Determinate loops (for...next, nested for loop) - select case - Built-in functions - Function and Procedures (syntax, types, passing by reference, passing by value).	Test (1)	completed	
<u>August</u> <u>WEEK - 1</u> 05.08.19 to 10.08.19	6	II	I Internal Assessment Examination			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>August-</u> WEEK - 2 13.08.19 to 22.08.19	6	<u>II</u>	<u>OBJECTIVE :-</u> Give clear idea about arrays. It also helps to understand the execution of sorting and searching.			
			List : Arrays - Types - Advantages - Syntax - Examples - Array Function - Searching - Sorting - Algorithm Program - manual calculation - Conflicts : adv : disadvantage	Seminar	completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
	6	<u>II</u>	<p>Comparison - Records - Array of Records - with statement - Project with multiple forms - Do events & Sub main - Error Trapping.</p>	PPT	completed	
			<p><u>Recap</u> :-</p> <ul style="list-style-type: none"> ✓ Sorting ✓ Testing 			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK - 4</u> 26.08.19 to 30.08.19	6	<u>II</u>	<u>OBJECTIVE</u> :- The objective of this unit is to learn about the VB objects, menus, MDI forms & Graphics.			
			objects - collection - common dialog boxes - Microsoft windows - common controls - Menus - MDI Forms.	Assignment	completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			Testing & Debugging - Tools - Graphics - Lines & Boxes - circles - Ellipses - Drawmode - piechart & Curves.	Test (1)	completed	
<u>September</u> 03.09.19 to 06.09.19	6		II Internal Assessment Examination			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK-2</u> 09.09.19 to 12.09.19	6	<u>V</u>	<u>OBJECTIVE</u> The main objective of unit-5 is learn about the concept of OLE. (Object Linking & Embedding)			
			Monitoring mouse activity - Dragging and Dropping - OLE Drag and Drop.	Test (1)	Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK - 3</u> 13.09.19 to 19.09.19	6	<u>V</u>	Files - Types - File concepts - File System objects - File System Controls.	Test (1)	completed	
<u>WEEK - 4</u> 20.09.19 to 27.09.19	6		<u>Recap</u> :- ✓ OLE Drag & Drop ✓ Files ✓ File System Controls.			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>October</u> <u>WEEK-4</u> 09.10.19 to 14.10.19			Model Examination <u>References :-</u> ✓ Gary Cornell, VB6 From Ground up TMH - 1999. ✓ Mohammed Azam - Prog with VB 6.0.			
15.10.19 to 28.10.19	6		Revision on unit wise and important topics / questions.			
24.10.19 & 25.10.19	3		Discussion on university question papers - classification of PART B & c.			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER SCIENCE [SHIFT - II] JUNE 2019 – NOVEMBER 2019

Year : I / II / III ✓ Subject : RDBMS LAB Subject Code : SAE51 Subject i/c : J. VIMAL ROBY

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>JUNE</u> <u>WEEK - III</u> 17.06.19 to 24.06.19	2		Demo about Form layout. <i>form layout</i>			
<u>WEEK - IV</u> 26.06.19 to 02.07.19	2		Simple VB programs, SQL <i>VB programs</i> Queries.		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>JULY</u> <u>WEEK - 1</u> 03.07.19 to 10.07.19	2	Program-1	<u>Marksheet Processing</u> 		completed	
<u>WEEK - 2</u> 11.07.19 to 18.07.19	2	Program-2	<u>Payroll processing</u> 		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK-3</u> 19.07.19 to 26.07.19	2	Program-3	Savings Bank Account.		Completed	
<u>WEEK-4</u> 29.07.19 to 02.08.19	2	Program-4	Invoice System		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>August</u> 05.08.19 to 10.08.19	2		Internal Lab Examination		completed	
<u>WEEK - 10</u> 13.08.19 to 22.08.19	2	Program-5	Invoice System		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK - 4</u> 26.08.19 to 30.08.19	2	Program-6	Student Information System		completed	
<u>September</u> 03.09.19 to 06.09.19	2		II Internal Lab Exam.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK-2</u> 09.09.19 to 12.09.19	2	Program-7	Electricity bill preparation system.		completed	
13.09.19 to 17.09.19	2	Program-8	Inventory System		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK - 4</u> 20.09.19 to 27.09.19	2	Program-9	Library Information System Income Tax processing System.		completed	
<u>WEEK - 1</u> <u>October</u> 01.10.19 to 05.10.19	2	Program-10	Telephone Directory Maintenance.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK - 2</u> 09.10.19 to 14.10.19	2		Print outs, Record Correction			
<u>WEEK - 3</u> 15.10.19 to 23.10.19	2		MODEL EXAMINATION		Completed	

NAME OF THE STAFF : P.HEMALATHA

SUBJECTS HANDLED



CLASS	SUBJECT CODE	SUBJECT NAME
II M.Sc	PSDEG	MULTIMEDIA SYSTEMS
I M.Sc	PSD1C	SYSTEM SOFTWARE
I B.Sc	SAE1A	PROGRAMMING IN C
III B.Sc	SAE51	RDBMS LAB
I B.Sc	SAE11	PROGRAMMING IN C LAB
I M.A HRM	PMCAA	COMPUTER LANGUAGES FOR MANAGEMENT

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER SCIENCE- SHIFT II JUNE 2019 – NOVEMBER 2019

Year : I / II / III Subject : MULTIMEDIA SYSTEMS Subject Code : PSDEG Subject i/c : P. KEMALATHA

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JUNE WEEK-III 17.06.19 To 21.06.19	5	UNIT-I	<p>OBJECTIVE:</p> <p>The objective of this unit is to learn about the multimedia and designing software tools.</p>			
			<p>Introduction- multimedia</p> <p>Definition- CD-Rom and the Multimedia Highway - uses of multimedia - Introduction</p>		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			to making multimedia - The stages of Project - requirement to make good multimedia - Multimedia skills.		Completed	
WEEK-IV 25.06.19 TO 02.07.19	5	UNIT-I	Multimedia skills and Training - Training opportunities in multimedia - Motivation for multimedia usage - Frequency domain Analysis - Application domain	Test (1)	Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
AUGUST JULY WEEK- <u>I</u> 03.07.19 TO 10.07.19	5	UNIT- <u>II</u>	Multimedia Hardware - Macintosh and Windows Production platform - Hardware Peripherals - connections Memory and storage devices.		Completed	✓
WEEK- <u>II</u> 11.07.19 TO 18.07.19	5	UNIT- <u>II</u>	Media software - Basic tools - making Instant multimedia	TEST	Completed	✓



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>Week-III</u> 19.07.19 TO 26.07.19	5	UNIT-II	Multimedia software and authoring tools - Editing - organizing and programming features. Multimedia Hardware.	Test (2)	completed	✓
<u>Week-IV</u> 29.07.19 TO 02.08.19	5	UNIT-II	Floppy and Hard disk drive - Thumb Drives - CD-R and CD-W - Production standards.		completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
AUGUST WEEK-I 5.08.19 TO 13.08.19	2	UNIT-I	<u>I</u> INTERNAL ASSESSMENT TEST			
WEEK-II 14.08.19 TO 16.08.19	2	UNIT-III	Multimedia making it work- multimedia building blocks- text- sound- Images - Animation video.		completed	✓

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER SCIENCE-SHIFT II JUNE 2019 – NOVEMBER 2019

Year : I / II / III Subject : MULTIMEDIA SYSTEMS Subject Code : PSDEM Subject i/c : P. HENALATHA

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-III 19.8.19 TO 22.8.19	5	UNIT-III	Digitization of audio and video objects - Data compression - Different algorithms for audio, video and image etc - Working exposure on tools	TEST (3)	Completed	
WEEK-IV 26.8.19 TO 30.8.19	5	UNIT-IV	Multimedia & Internet - Internetworking - Connections - Services - WWW - Web Servers, Web Browsers - Web	TEST (4)	Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/S , eminar	Remarks (Subject i/c)	Review (HOD)
			Page makers and Editors - plug Ins - HTML, VRML - Multimedia applications - Media Communication - Media Consumption - Entertainment - Games		completed	✓
SEPTEMBER WEEK-I 02-09-2019 TO 09-09-2019			<u>II</u> INTERNAL ASSESSMENT TEST			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK-II</u> 12.09.19 To 19.09.19	5	UNIT-V	Multimedia- looking towards future - Digital communication & New media - ITV - Digital Radio - Multimedia Conferencing - Assembling & delivering a		completed	✓
<u>WEEK-III</u> 20.09.19 To 27.09.19			Project- Planning and casting, Designing and Producing content and talent, Delivering CD-Rom technology.	Test (B)	completed	✓


Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-IV 28.09.19 To 30.09.19			CD-ROM technology		Completed	✓
OCTOBER WEEK-I 09.10.19 To 15.10.19			MODEL EXAMINATION			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-III 16.10.19 TO 25.10.19			REVISION			
			REFERENCES: 1. T. Vaughan, Multimedia making it work, 4th Edition 2. K. Andleigh & K. Thakkar, 2000, multimedia system Design			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER SCIENCE - SHIFT II JUNE 2019 – NOVEMBER 2019

Year : I / H / HI Subject : SYSTEM SOFTWARE Subject Code : PSD1C Subject i/c : P. HEMALATHA


Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>JULY 10</u> <u>WEEK-11</u> 22.08.2019 to 26.08.2019	4	UNIT-I	<u>OBJECTIVE:</u> The objective of this Subject is to learn about the language Processors, Assemblers, Macros, Linkers and compiler and Interpreters.			
<u>to</u> <u>5th 011d</u> <u>WEEK-1</u>		UNIT-I	Introduction- Language Processors - Interpreters.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK- <u>I</u> 29.07.19 to 02.08.19	4	UNIT-I	Language Processing Activities and fundamentals - Data Structures for Language Processing - Scanners and Parsers.		Completed	✓
AUGUST WEEK- <u>I</u> 05.08.19 to 09.08.19	5	UNIT-II	Assemblers: Introduction - Elements of Assembly language Programming.	Test(1)	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK-II</u> 13.08.19 to 16.08.19	3	UNIT-II	Overview of the Assembly Process - Design of a Two Pass Assembler		Completed	✓
<u>WEEK-III</u> 19.08.19 to 22.08.19	4	UNIT-II	A single Pass Assembler for the IBM PC I INTERNAL ASSESSMENT TEST		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-IV 26.08.2019 to 30.08.2019	4	UNIT-III	Introduction- Macros & Macro Preprocessor - Macro definition, call and expansion - Nested macro calls.	TEST(2)	Completed	✓
SEPTEMBER WEEK I 03.09.2019 to 07.09.2019	5	UNIT-III	Advanced macro facilities - Design of a macro preprocessor - Compiler- Aspects of compilation		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-II 12.09.19 To 19.09.19	5	UNIT-IV	<u>II INTERNAL ASSESSMENT</u> Compiler - Interpreters - Memory Allocation - Compilation of Expressions.		Completed	✓
WEEK-III 20.09.19 To 27.09.19	5	UNIT-IV & V	Code optimization - Interpreters Introduction of Linkers - Relocation concepts - A Linker for MS-DOS.		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-IV & WEEK-V 28.09.19 TO 05.10.19	5	UNIT-V	Linking for overlays - loaders - software tools - s/w tools for program development - Editors - Debug Monitors - Programming Environments - User Interface.	Test (4)	completed	
OCTOBER WEEK-II 09.10.19 TO 15.10.19			MODEL EXAMINATION			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-III 16.10.19 To 23.10.19			Revision			
WEEK-IV 25.10.19 To 27.10.19			Question Paper Revision			



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<p>WEEK-IV</p> <p>25.10.19</p> <p>TO</p> <p>27.10.19</p>			<p>Question Paper Revision</p>			
			<p>REFERENCES:</p> <p>I.D.M. Dhamdher, Systems Programming and operating system Second Edition.</p>			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.


DEPARTMENT OF COMPUTER SCIENCE - SHIFT II JUNE 2019 – NOVEMBER 2019

Year : I / H / HF Subject : PROGRAMMING IN C Subject Code : SAE1A Subject i/c : P. HEMALATHA

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JUNE WEEK-18 20.06.19 to 21.06.19	2		OBJECTIVE: The objective of this subject is to learn about the overview of C concepts in Programming.		Completed	✓
		UNIT-1	Introduction about the computers. Basic concepts of Programming.		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK- <u>IV</u> 27.06.19 To 1.07.19	3	UNIT- <u>I</u>	Character set, C Tokens Keywords and Identifiers, Constant and Variables, Trigraph sequence.		Completed	
JULY WEEK- <u>I</u> 5.07.19 To 9.07.19	3	UNIT- <u>I</u>	Constants - Types of Constants, Datatypes - Types - Declaration of Variables & Library function		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>WEEK-III</u> 15.07.19 TO 17.07.19	3	UNIT-I	operators - Types of operators - Examples for operators - Expressions.	Test (1)	completed	✓
<u>WEEK-IV</u> 23.07.19 TO 25.07.19	3	UNIT-I	Arithmetic Expressions, Evaluation of Expressions - precedence of Arithmetic operators - Type conversions		completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-V 31.07.19 TO 02.08.19	3		operator priority and precedence, and Associativity		completed	
AUGUST 05-08.19 TO 10-08.19	3		2 INTERNAL ASSESSMENT TEST			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-III 19.08.19 To 22.08.19	3	UNIT-III	<p>Introduction to Function</p> <ul style="list-style-type: none"> - A multifunction Program, Structure of C Function - Return values with its type - call a function - Recursion 	TEST(2)	Completed	✓
WEEK-IV 28.08.19 To 30.08.19	3	UNIT-III & IV	<p>Scope and Lifetime of a variable.</p> <p>Arrays - Strings - Structures</p> <p>and Functions - Passing structures to functions - Self referential structures - Bitwise operations</p>		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
SEPTEMBER WEEK-I 03.09.19 TO 09.09.19			II INTERNAL ASSESSMENT TEST			
WEEK-II 16.09.19 TO 18.09.19	3	UNIT-V	Pointers - Declaring and initializing pointers - Pointer expressions - Pointer with arrays		Completed	✓✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-III 24.09.19 To 26.09.19	3	UNIT-V	Pointers with functions and Structures & Example Pgms. Files - open and close a file.	TEST(S)	Completed	✓✓
OCTOBER WEEK-I 01.10.19 To 04.10.19	3	UNIT-V	I/O operations on files, Error handling during I/O operations - Random access to file, Command line arguments.		Completed	✓✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-II 09.10.19 To 14.10.19	3		MODEL EXAMINATION			
WEEK-III 18.10.19 To 22.10.19	3		REVISION REFERENCES: E-Balagurusamy, ANSI C. SEVENTH EDITION			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER SCIENCE JUNE 2019 – NOVEMBER 2019

Year : H/H / III Subject : RDBMS LAB Subject Code : SAESI Subject i/c : P. HEMALATHA

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
17.06.19 TO 19.06.19	4		Introduction about visual basic and sql. Some basic Pgms in visual basic.		Completed	VP/
25.06.19 & 27.06.19	4		Marksheet Processing		Completed	VP/

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JULY 3.07.19 & 05.07.19	4		Payroll processing		Completed	J.P.
11.07.19 & 15.07.19	4		Savings Bank Account for Banking		Completed	J.P.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19.07.19 & 23.07.19	4		Student Information system, Electricity Bill preparation		Completed	JS
29.07.19 & 31.07.19			<u>I</u> INTERNAL PRACTICAL EXAMINATION			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
AUGUST 14.08.19 To 19.08.19			Inventory system, Invoice system		completed	✓
26.08.19 To 28.08.19.			<u>II</u> INTERNAL PRACTICAL EXAMINATION			✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
SEPTEMBER 13.09.19 & 16.09.19	4		Library Information System Income Tax processing system		completed	JP
20.09.19 & 24.09.19	4		Telephone Directory Maintenance.		completed	JP

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
28.09.19 & 01.10.19			MODEL EXAMINATION			
18.10.19 & 24.10.19			RECORD CORRECTION & UNIVERSITY PRACTICAL EXAMINATION			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER SCIENCE - SHIFT II JUNE 2019 - NOVEMBER 2019

Year : I / ~~II~~ / III Subject : PROGRAMMING IN C LAB Subject Code : SAE11 Subject i/c : P. HEHALATHA

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JUNE						
20.06.19	2		Introduction - Basic programs in C		Completed	✓/
28.06.19	2		Summation series using $\sin(x)$			
JULY						
08.07.19	2		Summation series using $\cos(x)$ and $\exp(x)$			
16.07.19	2		Fibonacci series		Completed	✓/

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
24.07.19	2		C Program for arithmetic, relational & conditional operators		Completed	✓
AUGUST						
1.08.19	2		I INTERNAL PRACTICAL EXAM			
09.08.19	2		Count the number of words, vowels, consonants and white spaces in a line of text		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
20.08.19	2		Reverse a string		Completed	VPS
29.08.19	2		Substring Detection, Count & Removal		Completed	
SEPTEMBER						
07.09.19	2		Finding and replacing strings		Completed	VPS
17.09.19	2		npr and ncr pgms using recursion.		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
25.09.19	2		GCD of two number, Factorial.		Completed	
OCTOBER			<u>II</u> INTERNAL ASSESSMENT			
03.10.19	2		Finding Max and Min, Towers		Completed	J.P.
			of Hanoi, Matrix multiplication			
			Sorting Programs and			
			Searching Programs.			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER SCIENCE - SHIFT II JUNE 2019 – NOVEMBER 2019

Year : I / H / HH Subject : COMPUTER LANGUAGES FOR HMT Subject Code : PMCAH Subject i/c : P. HEMALATHA

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JULY WEEK-III 22.07.19 To 26.07.19	5	UNIT-1	The objective of this subject is to teach the basic computer knowledge for the Hrm students.		completed	VP
			Introduction to Programming languages - Introduction of computers - Basics - overview -		completed	VP


Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			<p>Generation of computer -</p> <p>Five Generation - Four Generation</p> <p>Computer languages</p>		completed	
<p>WEEK-IV</p> <p>29.07.19</p> <p>To</p> <p>02.08.19</p>	5	UNIT-I	<p>Program development life cycle -</p> <p>Good Programming lifestyle -</p> <p>Bad programming - Classification</p> <p>of language.</p>	TESTED	completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
AUGUST WEEK-I 05.08.19 TO 10.08.19	5	UNIT-I	Flowcharting - Basic symbols - Types - Disk operating System and Windows operating System.		completed	✓
WEEK-II 14.08.19 TO 22.08.19	5	UNIT-II	PC Software Packages; Text Processing software - Text Manipulation - usage of spot check.		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-III 26.08.19 TO 30.08.19	5	UNIT-II	Text Formatting - Picture Insertion and Alignment - Creation of Document using Templates + Mail Merge concept.		Completed	✓
SEPTEMBER WEEK-I 03.09.19 TO 07.09.19	4	UNIT-III	Introduction to MS-Excel - Worksheet Preparation - Worksheet overview.		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK- <u>ii</u> 09.09.19 To 14.09.19	4	UNIT- <u>ii</u>	Constructing Excel's Formulae. using Excel's - Built in Function.		Completed	✓
WEEK- <u>iii</u> 16.09.19 TO 20.09.19	5	UNIT- <u>iii</u>	Charts - Types of charts. Example - creating Ad modifying charts.		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<p>WEEK-IV</p> <p>22.09.19</p> <p>TO</p> <p>27.09.19</p>	5	UNIT-IV	<p>NETWORKS - ADVANTAGES -</p> <p>TYPES - REQUIREMENTS OF NETWORK -</p> <p>INTERNET - INTERNET PROVIDERS -</p> <p>USES OF INTERNET - BROWSER -</p> <p>SERVERS.</p>		Completed	✓
<p>OCTOBER</p> <p>WEEK-I</p> <p>30.10.19</p> <p>TO</p> <p>5.10.19</p>	5	UNIT-V	<p>HTML BASICS - UNDERSTANDING</p> <p>TAGS - Various types of Tag -</p> <p>Hyperlink - Tables -</p> <p>Frames.</p>		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-II 09.10.19 TO 14.10.19			MODEL EXAMINATION		Completed	
WEEK-III 17.10.19 TO 25.10.19			REVISION			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
13-10-19			<p>REFERENCES:</p> <p>1. Frye C. Lambert J and Cox J. Microsoft office 2010</p> <p>2. Johnson S. Microsoft office 2010</p>			
20-10-19			<p>3. Lawson B and sharp R Introducing HTML.</p> <p>4. Willard W. HTML, A Beginner's Guide</p>			

NAME: R. ANTONIO LARSEN
TO TRANSLATION STUDIES

DEPARTMENT OF ENGLISH
LESSON PLAN
JUNE TO NOVEMBER
2019-20

M. J. J. J.
21/5/19

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF English - (PG)

JUNE 2019 – NOVEMBER 2019

Year : I / II / III ✓ Subject : English Language and Linguistics Subject Code : HBB3B Subject i/c : K. Bngl.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
17.06.19 to 21.06.19	5	1.	Phonology. * The Sounds of Language. - Consonants & vowels. - Plosives, fricatives, Affricates, Nasals, Lateral, Semi vowels, Fricationless consonant. - Vowels, Pure vowels and diphthongs. - Cardinal Vowels.	<u>Assignment</u> on Organs of Speech Vocal cords. Audio Assignment on Sounds in English	Completed	checked and verified HOD
24.06.19 to 28.06.19	5	1.	* The Sound Patterns of Language. - Consonant cluster - Syllabification. - Minimal pairs, Allophones, phonemes, Phones - Phonology, Phonotactics - Assimilation, Elision.	TO prepare a chart of consonant clusters and Minimal pairs.	Completed	checked and verified HOD

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
01.07.19 to 05.07.19	5	1.	<u>Transcription</u> . - Transcription in English language. - transcription mean in writing - Phonetic transcription. - Word stress Representing differences between British and American English. <u>Phoneme Reversal</u> .	<u>Test-</u> To Transcribe words. (Class Activity).	Completed	Checked and verified /H/
08.07.19 to 12.07.19	5	2.	<u>Linguistics</u> . *. Language and the Brain. - The language organ (Brain). - Neurolinguistics. - structure of the Brain. - Contralateral Neural Control. - Monolingual progression. - Aphasia.	To draw human brain and mark its parts.	Completed	Checked and verified /H/

*. Language and Regional Variation.

- The Standard Language
 - Accent and Dialect
 - Dialectology
 - Regional Dialects - Isoglosses - Diglossia
 - Bilingualism - F.d.g.n. - Creole
- Group Discussion on Bilingualism.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
15.07.19 to 19.07.19	5	2. 3.	<p>Language & Regional Variation.</p> <ul style="list-style-type: none"> - Planning of National Language - Language planning - Dialect Continuum. <p>Language and Social Variation.</p> <ul style="list-style-type: none"> - Sociolinguistics - Linguistic variables - Social Variables - The Speaker's Socio. Economic status 		Completed	checked and verified H6
20.07.19 to 26.07.19	5	3.	<ul style="list-style-type: none"> - The Speaker's sex - The factor of Race. - The Collection of Data. - Register & style - Jargon - Speech style & style-shifting - Slang - Vernacular language. 	To Prepare a Questionnaire related to Sociolinguistics.	Completed	checked and verified H6

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
29.07.19 to 02.08.19	5	2.	<p>Language and Culture.</p> <ul style="list-style-type: none"> - Definition of language and culture - Cultural differences - Race and ethnic groups. - Properties of a human language Discreetness, Arbitrariness, Productivity, Displacement, Cultural Transmission, 	Assignment on Properties of human languages. Difference between human and animal language.	completed	checked and verified HOD
05.08.19 to 09.08.19 12.08.19 to 16.08.19	3	2.	<p>Language and Culture</p> <ul style="list-style-type: none"> - Functions of Language. (a) Instrumental language (b) Regulatory language (c) Interactional language (d) personal & imaginative (e) Heuristic & informative 	05/8/19 - 9/8/19 I. Internal Examination.	completed	checked and verified HOD

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19.08.19 to 23.08.19	5	3.	<p>Teaching of English as Second Language (TESL)</p> <p>* English Language Teaching.</p> <ul style="list-style-type: none"> - The place of English in Indian Education. - Foreign language learning - Teaching of prose, poetry & grammar <p>Methods.</p> <ul style="list-style-type: none"> - The Grammar Translation Method 	Practising Micro teaching	completed	checked and verified H6
26.08.19 to 30.08.19	5		<ul style="list-style-type: none"> - Direct method - Bilingual Method - Reading Method. - oral & phonetic method. <p>Approaches.</p> <ul style="list-style-type: none"> - Structural Approach - Communicative Approach. 	Video Assignment on Methods.	completed	checked and verified H6

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
02/09/18 to 07.09.18 09.09.18 to 14.09.18	2	<u>III.</u>	<p>II. Internal Examination</p> <ul style="list-style-type: none"> - ELT Theories, Approaches and Methods. - Student Diversity and classroom Management - Classroom observation & Management - Teacher Reflection - Teaching Journals - - Peer Teaching & Group Teaching. 	<u>Seminar</u> ELT Theories.	completed	checked and verified HOD
16.09.19 to 20.09.19	5	<u>IV.</u>	<p>Curriculum Development & Language Assessment.</p> <ul style="list-style-type: none"> - Types of Syllabus - Material Design and Development - Lesson plans - Synchronous and Asynchronous learning. - Learning Management Systems. 		completed	checked and verified HOD

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
23.09.19 to 27.09.19	5	<u>IV</u> . <u>V</u> .	Outcome Based Education. Bloom's Taxonomy - ADDIE Model Formative & Summative Assessment (Test Validity, Reliability, Practicality, and question MCQs). Digital Literacy and Action Research. Digital Language Labs. ICT Tools.	TO Prepare Question papers and question Bank.	completed	checked and verified ✓ ssr
30.09.19 to 04.09.19	5		Mobile Learning, Video conferencing Podcasting Digital Story Telling. Web 2.0 - Language Learning Apps, Blogs. Blended Learning, Flipped classrooms. Fundamental Research, Evaluative Research. Action Research.	Searching in Web sources for the specific topics given		checked ✓ verified ssr

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
06.10.19 to 14.10.19	2		Model Examination			checked ✓ verified ssr
15.10.19 & 16.10.19			University Examination		-	
21.10.19 to 25.10.19	5		Revision			checked ✓ verified. ssr

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF English - (PGT) JUNE 2019 - NOVEMBER 2019

Year : I / II / III Subject : Indian writing in English & in Translation Subject Code : HBBID Subject i/c : K. Buge

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
22/07/19 to 26/07/19	5		<p><u>Introduction.</u></p> <p>History of Indian Writing in English</p> <p>Nativeisation of English</p> <p>Introduction of English studies in India (Macaulay's Speech)</p> <p>Indian Diaspora Writers.</p> <p><u>Poetry.</u> Confessional Poetry - An Introduction, Dance of Eunuchs by Kamala Das.</p>	Assignment		checked & verified HOD
29/07/19 to 02/08/19	5		<p><u>Prose.</u> Annihilation of Caste - B.R. Ambedkar</p> <ul style="list-style-type: none"> - Background - Gandhi's Support - Remedy to destroy Caste - State's Reservation Policy. <p>Silence! The Court is in session.</p> <p>Act 1. Guilt and Innocence</p>	Assignment on Arunade Roy's Annihilation of Caste - An overview.		checked & verified. HOD

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
05/08/19 to 09/08/19	5		<u>Drama:</u> Dark Holds No Terror. Saru's quest and struggle to free herself from the restrictions imposed by society and culture. Silence! The court is in session. - Opening scene of the play. - Women's Role in Society - Middle class status, Tradition and Propriety	Assignment Themes and symbols in Darkholds No Terror.	Completed	checked & verified ssr
12/08/19 to 16/08/19	3		Poetry: Gitanjali - Rabindranath Tagore - A prayer to God - Ability to accept happiness and sorrows in the same way. Prose: The Renaissance in India. - The recovery of the past Fiction: India's renaissance for its national identity. The Painter of Signs		Completed	checked & verified ssr

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19/08/19 to 23/08/19	5		<p>Poem. Tejwari Poems. The Bus: The bumpy journey from the starting point to its destination.</p> <p>Fiction The Painter of Signs Donel at sustained heights. The Social Problem of over population.</p> <p>Short Story The Scodley Episode - Main Ideas - The Story.</p>	Test. Assignment	completed	checked & verified HOD
26/08/19 to 30/08/19	5		<p>Poem. Arananosau. Kapsir (82) The distinctive physiographical features and five different types of love and mental and emotional states.</p> <p>Short Story Synonyms of the Ocean - Main Ideas - Background of the story.</p> <p>Prose The Renaissance in India. - Long periods of greatness - Renaissance in spiritual, civilization, cultural and education in India.</p>	Test. Assignment.	completed	checked & verified HOD

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
02/09/19 to 07/09/19 09/09/19 to 14/09/19	2		<u>II. Internal Examination.</u> Poetry. Purnanandam (350) The vines of the Crematoriums shed tears on the ashes of their husbands. Drama. Silence! The court is in session - Performance and self Expression. Short story. Teaching, Padhumaiathan.	compose and Contrast Akananandam and Purnanandam.	completed	checked & verified. SS1
16/09/19 to 20/09/19	5		Fiction Dark Holds no Terror Saru struggles for her rights. She represent realistic picture of middle class educated women. Drama Silence! The court is in session Character's Analysis.	Test.	completed	checked & verified SS1

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
23/09/19 to 27/09/19	5		<p>Impact of English Studies in India.</p> <ul style="list-style-type: none"> - English language and Cultural Imperialism. - Demand of English Education in India. <p>Social - Cultural Issues such as gender, Caste and religion.</p> <ul style="list-style-type: none"> - Poverty, illiteracy, - Role & status of women - Gender inequality. 	<p>Assignment.</p> <p>As on Nativisation on Indian.</p>	completed	Checked & verified. ss
30/09/19 to 04/10/19	5		<p>Impact of English Studies in India.</p> <ul style="list-style-type: none"> - Books written in English. - Influence of English on Indian Media and Communication. - Impact of English language in our Society. 	<p>Assignment</p> <p>List of Indian writers those who were the pioneers in each genre.</p>	completed	Checked & verified. ss

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
06/10/19 to 14/10/19	2		Model Examination		completed	checked & verified ssr
15/10/19 & 16/10/19			University Examination.			
21/10/19 to 25/10/19	5		REVISION		completed	checked & verified. ssr

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF English JUNE 2019 – NOVEMBER 2019

Year : I / II / III Subject : Indian Writing in English Subject Code : BBA2A Subject i/c : Bun.k

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
20/6/19 to 21/06/19	2		20/06/19 - Freshers Day. 21/06/19 - Introduction to the Major-11 paper. Students were given the Syllabus of the Paper.	-	completed	checked & verified ssr
24/06/19 to 28/06/19.	5	1	Introduction. A brief introduction to the Indian writing in English. Arrival of East Indian company. - Early English joint stock - company - Royal Charter - Honourable East India company. - company rule in India. 1757 - Events of the Indian Rebellion 1857. - Dissolution of the company.	<u>Assignment</u> Wars between EIC and Nawabs in India.	completed	checked & verified ssr

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
01/07/19 to 05/07/19	5	1	<p>Introduction.</p> <p>Growth and development of HEIC.</p> <ul style="list-style-type: none"> - Battle of Plassey - Battle of Wandiwash - Battle of Buxar 	Draw Time-line chart of HEIC.	Completed	checked & verified ssr
08/07/19 to 12/07/19	5		<p><u>Prose.</u></p> <p>The World Community — Dr. S. Radhakrishnan.</p> <p>Introduction to the Prose and the Prose writer.</p> <p><u>Text-I.</u></p> <ul style="list-style-type: none"> - Nuclear Weapons 		Completed.	checked & verified. ssr

- World peace
- World Authority
- Alternative to international anarchy.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
15/07/19 to 19/07/19	5		<u>Poem :</u> 1. Tiger and Deer - Sri Aurobindo. - However is destroyed by its own weight. - The humble and meek service.	<u>Assignment :</u> Compare William Blake's poem Songs of Innocence with Tiger and Deer.	Completed.	checked & verified. ssr
22/07/19 to 26/07/19	5		<u>Drama.</u> Swami and Friends - R.K. Narayan. - Introduction to the dramatist. - Background of the Drama - Chapters 1-5 give the description of Swami and friends.	Motivating Students to write a poem on <u>childhood.</u>	Completed	checked & verified ssr

Poem :

2. Summer Woods - Sarojini Naidu.

The romantic yearning of the Protagonist to get away from the drudgery of everyday life.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
29/07/19 to 02/08/19	5		<p>Poem 3. Fireflies - Manohar Shetty. - Recollection of childhood here speaks of a tragic sense.</p> <p>Poem 4. Evening Wheat - Vikram Setto. - The evening refers to advancing age and daylight represents youth.</p>	TO Sketch a poem.	completed	checked & verified SSJ
05/08/19 to 09/08/19 12/08/19 to 16/08/19	5 3		<p>I. Internal Examination.</p> <p>Swami & friends. Chapter 6-10. - Swami and Mani's humorous transformation into baby animals. - Swami's self-centered immaturity. - Swami's father becomes a more antagonistic presence as the pressure of Swami's schoolwork increases.</p>	conducting Quiz on Swami & friends.	completed	checked & verified SSJ

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19/08/19 to 23/08/19	5		<p>Poem: 5. IN India - Nissim Ezekiel</p> <p>The poem is an outstanding example of the prevalent absurdities showing the ugliness of modern life.</p> <p>Drama. Swami & friends. Chap 11-15.</p> <ul style="list-style-type: none"> - change in Swami's maturity. - a kind of complexity - Swami's development. - English colonization. 	Test.	completed	checked & verified ssr
26/08/19 to 30/08/19	5		<p>Poem: 6. Crab - Arun Kolatkar.</p> <p>The poet brings out the loneliness and sickness that a sad mind struggles.</p> <p>Swami & friends. Chap. 16-20.</p> <ul style="list-style-type: none"> - The humanity of Swami's father in a newly immediate way. - The barriers between Swami's inner life and the threats of the outside world breaks down at last. <p>Prose. Text 11 World community.</p>	Group Activity.	completed	checked & verified ssr

TO dramatize a scene from the drama.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
02/09/19 to 07/09/19 09/09/19 to 14/09/19	2		<u>II. Internal Examination.</u> Prose Text - II Science - the barriers of space & time. Drama. Chap. 19. Themes. Unit 1 British and Marathas. - The first Anglo-Mysore war.	<u>Seminar</u> Growth and development of science.	completed	checked & verified
16/09/19 to 20/09/19	5		Play. Dance like a man. Introduction. - A Chennai based play. - Dance - integral part of life. - A play about a family dedicated to the art of dancing. Prose. Text III. The Sovereignty of the world community.	<u>Assignment.</u> Picture collection of different forms of dance in India.	completed	checked & verified

Text IV
 - The Unification of the World - development of loyalty - discovering moral strength.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
23/09/19 to 27/09/19	5		<p>Prose. The Diaspora and the world.</p> <ul style="list-style-type: none"> - An issue of Identity - Tradition and pride - colonial dominance and self-respect - History and public reason. <p>Play. Act - II</p> <ul style="list-style-type: none"> - Patriarchy - gender discrimination - man goodreads 	<p><u>Assignment</u></p> <p>Diasporic Writers in Indian writing in English.</p>	completed	checked & verified ssr
30/09/19 to 04/10/19	5		<p>Mysore War:</p> <ul style="list-style-type: none"> - Pitt's India Act 1784 <p>Nativeisation of English</p> <p>Contemporary Writers</p> <p>Indian Diasporic Writers.</p>	Test.	completed	checked & verified ssr

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
06/10/19 to 14/10/19 15/10/19 & 16/10/19	2		Model Examination University Examination.		completed	checked & verified. HOD
21/10/19 to 25/10/19	5		REVISION. - Objectives - Using Question Bank and Previous question papers.		completed	checked & verified. HOD

Year: ¹/_I / ¹/_h / ¹/_m Subject: Language and Communication Subject code: PSSEA Subject i/c: Buy.k.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
26.07.19 to 26.07.19	1	1	Introduction - language - communication	Individual Activity. - self Introduction.	completed	checked & verified ssr
29.07.19 to 02.08.19	1	1	- Importance of listening skills - How to improve listening skills. - Difficulties or obstacles to concentrate in listening.	Group Activity. - Listen and Repeat.	completed	checked & verified ssr

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
05.08.19 to 09.08.19	1	2	Individual communication. - two means of individual communication. - How does individual difference affect communication.	Role play.	completed	checked & verified
12.08.19 to 16.08.19	1	2	How does individual communication differ from group communication.		completed	checked & verified

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19.08.19 to 23.08.19	1	3	<p>Importance of speaking skill.</p> <ul style="list-style-type: none"> - coding and decoding with signs and symbols. - Ideation, Encoding, transmission - Body language. 	<p>Group Activity.</p> <p>Telephone conversation</p>	completed	checked & verified ssr
26.08.19 to 30.08.19	1	"	<p>Modes of communication.</p> <ul style="list-style-type: none"> - Different channels used for communication. - downward communication - Upward communication. 	<p>Group discussion.</p> <p>on a particular topic.</p>	completed	checked & verified. ssr

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
02.09.19 to 07.09.19 09.09.19 to 14.09.19	1		<u>II</u> INTERNAL EXAMINATION.		completed	checked & verified. ss
16.09.19 to 20.09.19	1	5a	Different ways of sending communication. - Mass media - Electronic Media - E-mails - SMS.	Preparing - mails - Information/ invitation to Mass media. - SMS for a Particular information.	completed	checked & verified. ss

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
23.09.19 to 27.09.19	1	5	<p>Social Communication.</p> <ul style="list-style-type: none"> - 7 types of communication. - phone and chat - Newspapers and blogs - Online conferencing 	<p>Individual Activity</p> <p>Online Chat/ Messages.</p>	completed	checked & verified ss
30.09.19 to 04.09.19	1	5	<ul style="list-style-type: none"> - Enunciation. - Strategy to become a successful speaker. 		completed	checked & verified. ss

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
06.10.19 to 14.10.19 15.10.19 & 16.10.19			Model Examination University Examination		completed	checked & verified HS
21.10.19 to 25.10.19			REVISION		completed	checked & verified HS

Name of the Staff: D.DEEPA

Subject

Subject Code

- | | |
|---|--------------|
| • Literary Criticism and Literary Theory | HBB3C |
| • Fiction-1 Origins and Development Upto 18th Century | HBB1C |
| • Modern English Language and Usage | BRA3B |
| • Language and Communication | PSSEA |

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF English

JUNE 2019 – NOVEMBER 2019

Year : I / II / III Subject : Literary Criticism and Literary Theory Subject Code : HBB3C Subject i/c : D. DEEPA

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
17 th June 2019 to 21 st June 2019	5 hours	1	<u>Various terms involved in the study of literary criticism and theory – an overview</u> → Imitation, Pleasure and Instruction → Myths and Archetypes → Poetic Structure – Diction.	Test	Completed	checked & verified. HSH
24 th June 2019 to 28 th June 2019	5 hours		→ Text – Author – Reader → The "Other" → Formalism → Structuralism → Deconstruction → Post-colonialism.		Completed	checked & verified. HSH

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
1 st July 2019 to 5 th July 2019	5 hours	2.	<u>Classical, Neo-classical and Romantic criticism :-</u> ♥ Aristotle's Poetics. Poetics: Aristotle's view of Imitation and definition of Tragedy (Chapter 1-3, 6-12 and 14)		Completed	checked & verified. Hst
8 th July 2019 to 12 th July 2019	5 hours	2.	♥ Sir Philip Sidney's <u>Apologie for Poetry.</u> → An Analysis. ♥ William Wordsworth's Preface to Lyrical Ballads → An Introduction.		Completed	checked & verified Hst

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
15 th July 2019 to 19 th July 2019	5 hours	2	<p>♥ <u>William Wordsworth's</u> <u>Preface to Lyrical Ballads.</u></p> <p>Discussion of the collection of poems and main ideas in Preface to Lyrical Ballads.</p> <p>♥ Historical Background - Europe</p>	Assignment	Completed	checked & verified sst
22 nd July 2019 to 26 th July 2019	5 hours	2.	<p><u>S.T. Coleridge's</u> <u>Biographia Literaria</u> <u>(Chapter - 14).</u></p> <p>♥ Structure and tone</p> <p>♥ Content</p> <p>♥ Critical reaction.</p>		Completed	checked & verified sst

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
29 th July 2019 to 31 st July 2019	3 hours	3.	<u>Humanistic Criticism</u> & <u>Matthew Arnold's</u> <u>Study of Poetry</u> Reading Poetry, Inspiration and Imitation, Touchstone Method for Evaluating Poetry, Analysis of the English Classics.		Completed	checked & verified.
1 st Aug 2019 to 2 nd Aug 2019	2 hours	3.	<u>& T. S. Eliot's</u> <u>Tradition and the Individual Talent.</u> → Eliot and New criticism → Catalyst process.		Completed	checked & verified.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
5 th Aug 2019 to 10 th Aug 2019	6 hours	4	<u>Formalism and Structuralism</u> ♥ <u>Cleanth Brooks'</u> <u>Language of Paradox</u> → Paradox and Irony as a New critical tools for reading poetry.	Seminar	Completed	checked & verified HOD
13 th Aug 2019 to 14 th Aug 2019	2 hours	4	<u>Northrop Frye's</u> <u>The Archetypes of Literature</u> ♥ Genres and Seasons ♥ Archetypes per Genres ♥ Human needs and concerns in proper human life - archetypes.		Completed	checked & verified. HOD

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
16 th Aug 2019	1 hour	4	Seminar on ♥ Cleanth Brooks ♥ Northrop Frye ♥ Matthew Arnold.		Completed	checked & verified ✓✓
19 th Aug 2019 to 22 nd Aug 2019	4 hours	4	<u>Gerard Genette's</u> <u>Structuralism and Literary</u> <u>Criticism</u> How to arrive at a meaning through Structuralism? ♥ Bricoleur - in Structuralism		Completed	checked & verified. ✓✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
26 th Aug 2019 to 30 th Aug 2019	5 hours	5.	<u>Post Structuralism</u> <u>∩ Roland Barthes'</u> <u>Death of the Author</u> → Readerly and Writerly Text → Author, author, scription, narrator – their role.	Seminar	completed	checked & verified. ss
3 rd Sep 2019 to 9 th Sep 2019	3 hours + 3 hours		<u>∩ Roland Barthes'</u> <u>Death of the Author</u> → Test II Internal Examination		completed	checked & verified. ss

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
12 th Sept 2019 to 14 th Sept 2019	3 hours	1	♥ The 'Other' → Formalism → Structuralism → Deconstruction Seminar on unit - 1.		Completed	checked & verified ss
16 th Sept 2019 to 20 th Sept 2019	5 hours	5	♥ <u>Edward Said's</u> <u>Orientalism</u> From "Orientalism" Extract in (A Post Colonial Studies Reader) → Who are Others? → Orient x Occident.		Completed	checked & verified ss

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
23 rd Sept 2019 to 28 th Sept 2019	6 hours	2.	<u>Aristotle's Poetics.</u> ♥ Imitation of Literature ♥ What is a Tragedy? ♥ Elements involved in the Tragedy?	Test	completed	checked & verified ✓
30 th Sept 2019 to 5 th October 2019	5 hours	2.	<u>William Wordsworth's Preface to Lyrical Ballads.</u> ♥ William Wordsworth as a poet critic. ♥ Wordsworth's contribution to the literary genre Poetry.	Assignment	Completed	checked & verified. ✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
9 th October 2019 to 16 th October 2019	7 hours		MODEL EXAMINATION		completed	checked & verified SS
17 th October 2019 to 25 th October 2019	7 hours	1 to 5	Revision.		completed	checked & verified SS

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF English

JUNE 2019 – NOVEMBER 2019

Year : I / II / III

Fiction - I Origins and Development
upto 18th Century

Subject Code : HBBIC

Subject i/c : D. DEEPA.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
22 nd July 2019 to 26 th July 2019	5 hours	1	<p><u>Objective</u> ➤ <u>To familiarize the students with the Origins and development of the British Novel upto to 18th Century.</u></p> <p>♥ Novel as a form</p> <p>♥ Concepts and theories about the Novel.</p>		Completed	checked & verified ss
29 th July 2019 to 31 st July 2019	3 hours	1	<p>♥ <u>Poetics of the Novel</u></p> <p>→ Definition</p> <p>→ Poetics of the Novel - Types</p> <p>→ Narrative modes</p> <p>→ Omniscient narration.</p>	Test	Completed	checked & verified. ss

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
1 st Aug 2019 to 2 nd Aug 2019	2 hours	1	<u>Origin of the Novel :</u> → Its Structure → Purpose and teaching → Brief History of 18 th Century Novel → Important works of 18 th Century Novel.		Completed	checked & verified
5 th Aug 2019 to 10 th Aug 2019	6 hours	2	<u>Allegorical Novel and Satire</u> → What are allegorical novel and how they are differentiated. → An introduction to the structure of <u>John Bunyan's The Pilgrim's Progress.</u>		Completed	checked & verified.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
13 th Aug 2019 to 14 th Aug 2019	2 hours	2.	<u>John Bunyan's</u> <u>The Pilgrim's Progress</u> ♥ Discussion on Christianity as the Central theme of the work. ♥ Analysis of the form and doctrines in The Pilgrim's Progress.		completed	checked & verified ssr
16 th August 2019	1 hour		Objective test on John Bunyan.	Test	completed	checked & verified ssr

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19 th Aug 2019 to 22 nd Aug 2019	4 hours	2	<u>Allegorical Novel and Satire</u> ➤ <u>♥ Jonathan Swift's Gulliver's Travel.</u> → 3 dimensions of viewing a text and an introduction to Jonathan Swift → Analysis of the work as a satire.		Completed	checked & verified. ss
26 th Aug 2019 to 30 th Aug 2019	5 hours	2	→ Plot → Composition and history → Major themes → Cultural influences → Critical appreciation.	Seminar	Completed	checked & verified ss

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
3 rd Sep 2019 to 9 th Sep 2019	6 hours	3.	<u>The New World Novel</u> ⇒ Characteristic features of the New World Novel and important novelist of the period. ♥ Daniel Defoe → Robinson Crusoe as a historical fiction and adventure fiction.		completed	checked & verified
12 th Sep 2019 to 14 th Sep 2019	3 hours	3	<u>Daniel Defoe → Robinson Crusoe</u> ♥ Plot summary ♥ Sources and real life castaways ♥ Reception and sequels ♥ Interpretations.		Completed	checked & verified

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
16 th Sep 2019 to 20 th Sep 2019	5 hours	4	<u>Picaresque Novel</u> ➤ ♡ Origin of picaresque novel ♡ characteristic feature of a Picaresque novel. ♡ Who is Henry Fielding? ♡ Analysis of Joseph Andrews.	Seminar	Completed	checked & verified HSL
23 rd Sep 2019 to 28 th Sep 2018	6 hours	4	<u>Henry Fielding's Joseph Andrews.</u> ♡ Background to the novel ♡ Source and the full title an analysis ♡ Analysis <u>IV</u> books and critical appreciation an overview	Assignment	Completed	checked & verified HSL

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
30 th Sept 2019	1 hour	1	Objective question test on novel in different ages, narration and types.	Test	completed	checked & verified HOD
1 st Oct 2019	1 hour	1 - 4	Seminar on ♥ Allegorical Novel and Satire ♥ The New World Novel ♥ Picaresque Novel	Seminar	completed	checked & verified. HOD

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
3 rd October 2019 to 5 th October 2019	3 hours	5	<u>Middleclass Novel of Manners</u> & Jane Austen - Emma → Plot summary, Principal Characters, minor characters, publication history, themes and allusions to real places.		Completed	checked & verified. HOD
9 th October 2019 to 16 th October 2019	7 hours		MODEL EXAMINATION		completed	checked & verified. HOD

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
17 th October 2019 to 18 th October 2019	2 hours	5	Revision of Jane Austen's Emma. ♥ Emma as a middle class novel of manners - key points.		Completed.	checked & verified ✓✓
21 st October 2019 to 25 th October 2019	5 hours	2-4	Revision of → John Bunyan → Jonathan Swift → Henry Fielding		completed	checked & verified. ✓✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<u>Books Referred</u> <u>and followed</u>		⇒	♡ W.H. Hudson - Introduction to the Study of Literature ♡ David Daiches - The Novel and the Modern World ♡ Jane Austen - Emma ♡ Henry Fielding - Joseph Andrews ♡ Daniel Defoe - Robinson Crusoe			
<u>Net</u> <u>Sources</u>	⇒		♡ Jonathan Swift - Gulliver's Travels ♡ John Bunyan - The Pilgrim's Progress ♡ Britannica.com			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF English JUNE 2019 – NOVEMBER 2019Year : I / II / III [✓] Subject : Modern English Language and Usage. Subject Code : BR43B Subject i/c : D. DEEPA

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
17 th and 21 st June 2019	5 hours	1	<u>The Evolution of Standard English.</u> ♥ An outline History of the English Language (Chapter-8)	Oral Test	Completed	checked & verified ss
24 th to 28 th June 2019	5 hours	2	<u>Language and Regional Variation:-</u> ♥ The Standard Language ♥ Accent and Dialect — an overview		Completed	checked & verified ss

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
1 st to 5 th July 2019	5 hours	2	<u>Language and Regional Variation :</u> ♥ Dialect ♥ Dialectology ♥ Regional Dialects ♥ Style, Slang and Jargon.	Assignment	Completed	checked & verified. H/S
8 th to 12 th July 2019	5 hours	3.	<u>Areas of Difficulty in the usage of English Language for the</u> <u>II Language Users.</u> ♥ Basic Grammar → Parts of Speech		Completed	checked & verified H/S

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
15 th to 19 th July 2019	5 hours	3.	<u>Parts of Speech and agreement:</u> ♥ Voice, tense, number ♥ Modals and auxiliaries ♥ Types of sentences (Interrogative, Declarative, Exclamatory, Imperative)	Test	Completed	checked & verified HOD
22 nd to 26 th July 2019	5 hours	3	<u>Grammar :-</u> ♥ Components of a Sentences ♥ kinds of Sentences ♥ Direct and Indirect speech ♥ Question Tags.		Completed	checked & verified. HOD

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
29 th to 31 st July 2019	3 hours	1	<u>Introduction :</u> <u>The Evolution of Standard English</u> → Debate on pros and cons of Standard English → Influence of other languages on English - (middle English)		Completed	checked & verified. HOD
01 st to 2 nd August 2019	2 hours	3.	<u>Basic Grammar :-</u> ♡ Revision Test on Question Tags, Types of sentence, Identification of sentence, Degrees of comparison - application	Assignment	Completed	checked & verified. HOD

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
5 th to 10 th August 2019	6 hours	3.	Internal Assessment Areas of Difficulty in the usage of English Language for the II Language Users → Revision	Seminar	Completed	checked & verified. ss!
13 th to 14 th August 2019	2 hours	4	<u>Language for Specific Speech events</u> :- → How to draft an invitation for various events. → Elements that are very much need to draft an invite.		Completed	checked & verified. ss!

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
16 th to 22 nd August 2019	5 hours	4.	<p>♥ <u>Drafting the minutes of a meeting</u> :-</p> <p>Essential elements that make up minutes of a meeting.</p> <p>♥ Addressing a gathering (welcome address) - introduction.</p>	Test	Completed	checked & verified /s/
26 th to 30 th August 2019	5 hours	4.	<p>♥ <u>Welcome Address</u> :-</p> <p>How to write a welcome address and address the gathering</p> <p>♥ <u>Proposing vote of thanks</u> :-</p> <p>Module in proposing and drafting vote of thanks.</p>		Completed	checked & verified /s/

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
3 rd to 9 th September 2019	6 hours	4.	<p>Internal Assessment</p> <p>Language for Specific Speech Events</p> <p>→ Revision and Presentation</p> <p>→ Practical Presentation.</p>	Test	Completed	checked & verified. HOD
12 th to 14 th September 2019	3 hours	5.	<p><u>English in the Internet Era :-</u></p> <p>♥ The Internet and English Vocabulary?</p> <p>→ English as a Global Lang, Vernacular, trade language.</p>		Completed	checked & verified. HOD

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
16 th to 20 th September 2019	5 hours	5	<p>∴ <u>Role and Scope of Online English Dictionaries</u> :-</p> <p>Role of Dictionary in everyday use and their types.</p> <p>∴ Language and the Advent of Technology.</p>	Seminar	Completed	checked & verified ssr
23 rd to 28 th September 2019	6 hours		<p>∴ <u>Useful Online resources such as YouTube, Google Scholar</u> :-</p> <p>→ Advent of Technology and their uses in everyday life.</p>	Assignment	Completed	checked & verified ssr

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
30 th Sept 2019 to 1 st October 2019	2 hours	5.	<u>English in the Internet Era</u> & Proposing vote of thanks — Role of an individual in proposing vote of thanks & Useful Online resources Such as YouTube, Google, Scholar		Completed	checked & verified SH
03 rd to 5 th October 2019	3 hours	5.	& How to use Google in filtering the material & YouTube in the growth of Language and discipline content & Various websites used in browsing.	Test	Completed	checked & verified. SH

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
9 th to 16 th October 2019	7 hours		MODEL EXAMINATION		completed	checked & verified ss
17 th October 2019 to 25 th October 2019	7 hours	1 - 5	Revision → Oral Test (Objective Questions) → Previous year University Exam questions-revision.		completed	checked & verified ss

LESSON PLAN

2019-2020

EVEN SEMESTER

DEPARTMENT OF COMPUTER APPLICATION

DEPARTMENT OF COMPUTER SCIENCE (SHIFT II)



SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN

DEPARTMENT OF COMPUTER APPLICATIONS

LESSON PLAN NOVEMBER 2019 – MARCH 2020

SIC/BCA/2019-20/EVEN/LP/DOC-04

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER APPLICATIONS NOVEMBER 2019 – APRIL 2020

Year : I / II / III ✓ Subject : WEB TECHNOLOGY Subject Code : SAZ6A Subject i/c : R. Mary Sheeba

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
NOV 25-30 WEEK 4			<u>OBJECTIVE:-</u> VBscript, Javascript allows creation of Webpages. To create dynamic webpages by using server side scripts, Microsoft has introduced ASP. Introduced to VBscript - Adding VBscript code to an HTML Page.			
WEEK 4	5	I	VB script Basics - VB script Datatypes - VBscript Variables - VB script Constants.		Completed	Checked & Verified ★

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
DEC 1-7 WEEK 1	5	I	VBScript Operators - Mathematical - comparison - Logical - using conditional Statements - Looping through Code - VB Script procedures - Type Casting variables - Math function - Date-function.		Completed	Checked & Verified
DEC 9-14 WEEK 2	5	I IV	String functions - Other functions - VBScript coding Conventions - Dictionary object In VB script - Err Object. ASP.Net Language Structure - Page Structure - Page Event, Properties + Compiler directives		Completed	Checked & Verified

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
DEC 16-20 WEEK 3	4	IV	Properties and Compiler directives. HTML Server Controls - Anchor, Tables, forms, Files. Basic Web Server Controls - Label, TextBox, Button, Image, Links, Check and Radio Button. Hyperlink, Datalist. Webserver controls - checklist. RadioButton list, dropdownlist, ListBox, Repeater	Test		
JAN 1-4 WEEK 1	3	II	Introduction to Javascript - Advantages of Javascript - Javascript Syntax - Datatype - Variables - Array Operator and Expression.			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 6-11 WEEK 2	5	<u>II</u>	Looping- Control Structures - constructor function	I- INTERNAL ASSESSMENT TEST		
JAN 13 WEEK 3	<u>II</u>	<u>II</u>	Object -			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 20-25 WEEK 4	5	II	Userdefined function- Dialog Box			
JAN 27-31 WEEK 5	5	V	Request and Response Object, cookies, Working with data - OLEDB Connection class, Command class, transaction class.			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
FEB WEEK 1 3-8	5	V	Data Adapter class, dataset class.	II - INTERNAL ASSESSMENT		
FEB WEEK 2 10-14	4	V	Advanced Issues - Email, Application Issues, Working with IIS			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
FEB WEEK 3 17-22	5	V	IIS and page directives, Error handling. Security - Authentication, IP Address, Secure by SSL, and Client certificates.	Test		
FEB WEEK 4 24-29	5	III	Javascript document, Object Model - Introduction Object in HTML • Event handling - Window Object - Document Object - Browser Object			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
MARCH WEEK 1 2-7	5	<u>III</u>	Form Object - Navigator Object - screen object - Built-in Object, user-defined Object, cookies.			
MARCH WEEK 2 9-14	5		MODEL EXAMINATION			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
MARCH WEEK 3 17-21	5		Revision			
MARCH WEEK 4 23-27	5		Revision			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER APPLICATIONS NOVEMBER 2019 – APRIL 2020

Year : ^xI / [✓]II / ^xIII Subject : COMPUTER GRAPHICS Subject Code : SAZ4C Subject i/c : R. Mary sheeba

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
NOV 25-30 WEEK 4	5	I	<u>OBJECTIVE :</u> It focus on the video display devices and its different types. The main objective of this paper introduces the concept of computer graphics. It also helps to know about the line drawing, circle and ellipse algorithm.			
WEEK 4		I	Brief Survey of Computer Graphics. Video display devices - Types - Raster Scan Types - Random Scan Systems - Video Controller, Display processor, Graphics Monitor and Workstations		Completed	Checked x Verified #

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
DEC 1-7 WEEK 1	5	I	Input devices - Keyboards, Mouse, Joysticks, Light pen. Hard copy devices. Graphics software, Functions, S/W Standard PHIGS Workstations.		Completed	Checked & Verified A
DEC 9-14 WEEK 2	5	II	Line - Drawing Algorithm (DDA and Bresenham's)		Completed	checked & Verified A

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
DEC 16-20 WEEK 3	4	<u>II</u>	Circle - generating (Midpoint) Algorithm	Test	Completed	Checked & Verified H
JAN 1-4 WEEK 1	3	<u>II</u>	Ellipse - Generating (Midpoint) Algorithm		Completed	Checked & Verified H

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 6-11 WEEK 2	5	II	Area-filling Algorithms ↳ Boundary fill ↳ Flood-Fill Algorithm ↳ Line Attributes	I-INTERNAL ASSESSMENT	Completed	Checked & Verified ✍
JAN 13 WEEK 3	1	II	Color and Gray-scale levels		Completed	Checked & Verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 20-25 WEEK 4	5	<u>II</u> <u>III</u>	Character Attributes - Inquiry functions Two dimensional Transformations and viewing, Basic Transformations, Matrix Representations and Homogeneous Coordinates	Test	Completed	Checked & Verified ✍
JAN 27-31 WEEK 5	5	<u>III</u>	Composite Transformations, Other Transformations Window-to-window, viewport coordinate, Transformation - Clipping Algorithms: Cohen-Sutherland,		Completed	Checked & Verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
FEB WEEK 1 3-8	5	III	Line clipping and Sutherland. Hodgemen polygon clipping - Interactive I/P methods: Logical classification of i/p devices - Interactive picture Construction Techniques.	II-INTERNAL ASSESSMENT	Completed	Checked & Verified # N
FEB WEEK 2 10-14	4	IV	Three dimensional display Methods: parallel projections, Perspective projections, Depth cueing, visible line, Surface Identification		Comp.	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
FEB WEEK 3 17-22	5	IV	Polygon surfaces: polygon Tables, Plane Equations and Polygon Meshes - Three Dimensional Transformations: Basic, other and Composite transformation.	Test		
		V	Viewing pipeline and Coordinates - Transformation from world to view coordinates			
FEB WEEK 4 24-29	5	V	Projection transformations Matrices, view volumes and general Projection Transformations.			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
MARCH WEEK 1 2-7	5		view volumes - hidden surface and hidden line elimination methods Back-Face Detection, Depth Buffer and A-Buffer Methods, Wireframe Methods.			
MARCH WEEK 2 9-14	5		MODEL EXAMINATION			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
MARCH WEEK 3 17-21	4		Revision			
MARCH WEEK 4 23-27	4		Revision.			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER APPLICATIONS NOVEMBER 2019 – APRIL 2020Year : I / II / III Subject : Programming in 'C' Lab Subject Code : SAE11 Subject i/c : R. Mary Sheeba

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
NOV 25-30 WEEK 4	3		Summation series $\sin(x)$		Completed	checked & Verified ✍
DEC 1-7 WEEK 1	3		Summation series $\cos(x)$, $\exp(x)$		Completed	checked & Verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
DEC 9-14 WEEK 2	3		Reverse a string and check for palindrome	Test	Completed	checked & Verified ✍
DEC 16-20 WEEK 3	3		Finding and Replacing Substring		Completed	checked & Verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 1-4 WEEK 1	—	—	—			
JAN 6-11 WEEK 2	3		Recursion NPR and NCR	I-INTERNAL ASSESSMENT	Completed	Checked x Verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 18 WEEK 3	1		GCD of two Numbers	Test	Completed	checked & Verified A
JAN 20-25 WEEK 4	3		Maximum and Minimum		Completed	checked & Verified A

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 27-31 WEEK 5	2		Matrix Addition and Subtraction		Completed	checked & Verified A
FEB WEEK 1 3-8	3		TEST	II-INTERNAL ASSESSMENT	Completed	checked & Verified A

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
FEB WEEK 2 10-14	3		Matrix Multiplication, Transpose of a Matrix			amby x amby
FEB WEEK 3 17-22	3		Trace of a Matrix, Determinant of a Matrix			amby x amby

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
FEB WEEK 4 24-29	3		Linear Search, Binary Search			
MARCH WEEK 1 2-7	3		Insertion Sort, Bubble Sort			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
MARCH WEEK 2 9-14	3		MODEL EXAMINATION			
MARCH WEEK 3 17-21	3		University practical			


Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
MARCH WEEK 4 23-27	3	—	—	—		

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER APPLICATIONS NOVEMBER 2019 – APRIL 2020

Year : I / II / III Subject : WEB APPLICATION LAB Subject Code : SAZ61 Subject i/c : R. Mary Sheeba

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
NOV 25-30 WEEK 4	5		Introduction to HTML Tags, Square, cube, Square root and Complement		Completed	checked & Verified AS
DEC 1-7 WEEK 1	5		Calculator		Completed	checked & Verified AS

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
DEC 9-14 WEEK 2	5		Swapping of Images, Student database		Completed	Checked & Verified 
DEC 16-20 WEEK 3	5		Practice, Sorting of Numbers	Test	Completed	checked & Verified

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 1-4 WEEK 1	2		Student Database & College Information		Completed	Checked & Verified ✍
JAN 6-11 WEEK 2	5		Resume Preparation, Date and Time	I-INTERNAL ASSESSMENT	Completed	checked & Verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 13 WEEK 3	1		Practice		Completed	checked & verified #
JAN 20-25 WEEK 4	5		Mouse Event, Scrolling the text		Completed	checked & verified #

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 27-31 WEEK 5	4		Frame Set, Pop-up Window		Completed	Checked & Verified A
FEB WEEK 1 3-8	5		Hit Counter, Verification of Email-id. ASP.NET: Request and Response, Employee DB.	II-INTERNAL ASSESSMENT	Completed	Checked & Verified A

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
FEB WEEK 2 10-14	3		Header object, Student Database		Completed	Verified
FEB WEEK 3 17-22	5		Hit Counter and Link Button	Test		Verified

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
FEB WEEK 4 24-29	5		Hyperlink, Login Control			
MARCH WEEK 1 2-7	5		Adrotator			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
MARCH WEEK 2 9-14	5		MODEL EXAMINATION			
MARCH WEEK 3 17-21	5		Revision			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
MARCH WEEK 4 23-27	5		Revision			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER APPLICATIONS NOVEMBER 2019 – APRIL 2020Year : I / II / III ✓ Subject : client / Server Computing Subject Code : SEZGE Subject i/c : M. Anitha Devi

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
November 25 - 30 Week <u>IV</u>	5	I	<p>OBJECTIVE</p> <p>The goal of client/server computing is to allow every network node to be accessible as needed by an application and to allow software components to work together</p> <p>Introduction to client computing</p>		Completed	Checked ✓ Verified H
December 2 - 7 Week <u>I</u>	5	I	<p>What is client / server computing - Benefits of client / server computing</p>		Completed	Checked ✓ Verified

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
December 9 - 14 Week - <u>II</u>	5	<u>I</u>	Evolution of cls computing Hardware Trends - Software Trends - Evolution of Operating Systems - Network Trends - Business considerations		Completed	Checked & Verified ✍
December 16 - 20 Week - <u>III</u>	4	<u>II</u>	Overview of cls Applications components of cls Applications categories of cls Applications classes of cls Applications		Completed	Checked & Verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
January 2 - 4 Week - I	3	II	Understanding ebs computing. Dispelling the Myths obstacles - upfront & Hidden open systems and standards Setting organizations - Factors of Success.	Test	completed	checked & verified AS
January 6 - 11 Week - II	5		I INTERNAL ASSESSMENT TEST			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
January 13 Week - <u>III</u>	1	<u>III</u>	The client Hardware and software		completed	checked x verified ✍
January 20 - 25 Week - <u>IV</u>	5	<u>III</u>	client component client operating Systems What is GUI Database Access.		completed	checked x verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
January 27-31 Week-V	4	<u>III</u>	client software products GUI Environments - converting 3270/5250 Screens - Database Tools client Requirements : GUI Design standards	Assignment	completed	checked x verified ✍
February 3-8 Week-I	5	<u>II</u> <u>III</u>	<u>II</u> Internal Assessment Test			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
February 10 - 14 Week - II	4	<u>III</u> <u>IV</u>	Open GUI Standards - Interface Independence Testing Interfaces. The server: categories of server - Features of server machines.		Completed	
February 17 - 22 Week - IV	5	<u>IV</u>	classes of server machines Server Environment: N/w management Environment. N/w computing Environment Extensions - Network OS - Loadable Module		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
February 24-29 Week-IV	5	<u>V</u>	Server operating System: os/2 2.0 windows New Technology. Triggers - Load-Leveling Optimizer - Testing and Diagnostic Tools	Seminar	completed	
March 2-7 Week-I	5	<u>V</u>	Unix Based operating System - Server Require- ment platform indepen- dence. Backup and Recovery Mechanisms.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
March 9 - 14 Week - II	5	I	MODEL EXAMINATION			
March 16 - 21 Week - III	5	I	Unit - I, II Revision			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
March 23 - 27 Week-IV	4		Unit III, IV, V Revision.			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER APPLICATIONS NOVEMBER 2019 – APRIL 2020Year : I / ~~II~~ / ~~III~~ Subject : Programming in C Lab Subject Code : SAEL Subject i/c : M. Anitha Devi

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
November 25 - 30 Week - IV	6	-	Summation series $\sin(x)$		Completed	checked & Verified A
December 2 - 7 Week - I	6	-	Summation Series $\cos(x)$, $\exp(x)$		Completed	checked & Verified A

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
December 9 - 14 Week - II	6	-	string Manipulation Reverse a string and check for palindrome	Test	completed	checked & verified #
December 16 - 20 Week - III	6	-	Substring detect, count and Removal, Finding and replacing Substring		completed	checked x verified #

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
January 2-4 Week-I	4	-	Recursion NPR and NCR	Test	completed	checked ✓ Verified A
January 6-11 Week-II	2		I Internal Assessment Test			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
January 13 Week - III	2	-	GCD of two numbers Fibonacci Series	Test	Completed	Checked x Verified #
January 20-25 Week - IV	6	-	Maximum and Minimum		Completed	checked x Verified #

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
January 27-31 Week-V	4	-	Tower of Hanoi Matrix addition and Subtraction		Completed	checked & Verified A
February 3-8 Week-I	6		II Internal Assessment Test			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
February 10-14 Week-II	6		Matrix Multiplication, Transpose of a Matrix		Completed	
February 17-22 Week-IV	6		Trace of a Matrix Determinant of a Matrix		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
February 24-29 Week-IV	6		Linear Search, Binary Search.		completed	
March 2-7 Week-I	6		Insertion Sort Bubble Sort.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
March 9 - 14 Week - II	6		MODEL EXAMINATION			
March 16 - 21 Week - II	6		University Practical			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
March 23-27 Week-IV	6	-	- Revision			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER APPLICATIONS NOVEMBER 2019 – APRIL 2020Year : I / H / HH Subject : Programming in 'C' Subject Code : SAEIA Subject i/c : NO Anitha Devi

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
November 25-30 Week-IV	4	I	<p>OBJECTIVE :-</p> <p>It starts with the overview of C, then discusses how to declare constants, variables and datatypes, also describes the built-in operation, decision making and branches, function array, structure pointer, files.</p>		Completed	Checked & Verified ✍
December 2-7 Week-I	4	I	<p>Fundamental character set</p> <p>Identifier and keywords.</p> <p>datatypes, constants</p> <p>variables.</p>		Completed	checked & Verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
December 9-14 Week-II	4	<u>I</u>	Declarations - Expressions statements - Arithmetic, Unary, Relational and logical, Assignment and conditional operators.		Completed	Checked & Verified ✍
December 16-20 Week-III	4	<u>II</u>	Library functions. Data Input and output functions. Simple C programs Flow of control - if, if-else while, do-while, for loop.		Completed	Checked & Verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
January 2-4 Week-I	4	II	Nested control structures. Switch, break and continue, go to statement comma operator.	Test	completed.	Checked x Verified A
January 6-11 Week-II	4		I Internal Assessment Test.			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
January 13 Week - <u>III</u>	1	-	I. Introduction	✓		
January 20-25 Week - <u>IV</u>	4	<u>III</u>	Functions - Definition - Prototypes - passing arguments - Recursions - Storage classes - Automatic		Completed	checked & Verified ↓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
January 27-31 Week-V	4	<u>III</u>	External, static, Register variables - Multi-file programs. Arrays - Defining and processing - Passing arrays to functions - Multi-dimension arrays - Arrays	Assignment	Completed	Checked x Verified A
February 3-8 Week-I	4	<u>II</u>	Internal Assessment Test			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
February 10-14 Week- <u>II</u>	3	<u>IV</u>	Structures - user defined data types - passing structures to functions - self-referential structures Unions - Bit wise operations		completed	
February 17-22 Week- <u>III</u>	4	<u>V</u>	Pointers - Declarations - Passing pointers to Functions operation in pointers - pointer and Arrays		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
February 24-29 Week-IV	4	V	Arrays of pointers - structures and pointers	Seminar	completed	
March 2-7 Week-I	4		Files - creating, processing, opening and closing a data file		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
March 9-14 Week - II	4		Model Examination			
March 16-21 Week - III	4		Unit - I , II Revision			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
March 23-27 Week - <u>IV</u>	2		Unit <u>III</u> , <u>IV</u> , <u>V</u> Revision.			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER APPLICATIONS NOVEMBER 2019 – APRIL 2020Year : I / II / III Subject : HTML Lab Subject Code : SNE24 Subject i/c : M. Anitha Devi

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
November 25-30 Week-IV	2		Introduction to HTML tags List of Xarray elements.		Completed	checked x Verified [Signature]
December 2-7 Week-I	2		Text style and effects		Completed	checked x Verified [Signature]

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
December 9-14 Week-II	2		Working with BR, HR Marquee, href, img tags		completed	checked & Verified ✓
December 16-20 Week-III	1		Practice	Test	completed	checked & Verified ✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
January 2-4 Week-I	2		calculator		completed	Checked x Verified ✱
January 6-11 Week-II	2		I Internal Assessment Test			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
January 13 Week - <u>III</u>	-					
January 20-25 Week - <u>IV</u>	2		Student Marksheet		Completed	Checked x Verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
January 27-31 Week - V	2		Employee pay slip using forms	Test	completed	checked x Verified ★
February 3-8 Week - I	2		II Internal Assessment Test		rewritten	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
February 10-14 Week-II	2		Mouse Event		completed	
February 17-22 Week-III	2		Practice			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
February 24-29 Week - IV	2		Tables, List and frames		Completed	
March 2-7 Week - I	2		Practice			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF _____ NOVEMBER 2019 – APRIL 2020

Year : I / II / III Subject : _____ Subject Code : _____ Subject i/c : _____

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
March 9-14 Week - II	2		Model Examination			
March 16-21 Week - III	2		University Practical Examination.			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
March 23-27 Week-IV	1		—			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER APPLICATIONS NOVEMBER 2019 – APRIL 2020Year : I/II/III ✓ Subject : Web Application Lab Subject Code : SAZ61 Subject i/c : M. Anitha Devi

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
November 25-30 Week-IV	2		Introduction to HTML tags, Square, cube Square root and Complement		Completed	Checked & Verified ✍
December 2-7 Week-I	2		calculator		Completed	Checked & Verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
December 9-14 Week - II	2		Swapping of images Student database	completed		checked & Verified ✍
December 16-20 Week - III	2		Practice and Sorting of Numbers.		completed	checked & Verified ✍

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
January 2 - 4 Week-I	1		Student Database and college Information	Test	Completed	Checked x Verified A
January 6 - 11 Week-II	2		I Internal Assessment Test			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
January 13 Week-III	1					
January 20-25 Week-IV	2		Resume preparation Date and Time		Completed	Checked X Verified #

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
January 27-31 Week-V	2		Mouse Event	Test	completed	Checked & Verified A
February 3-8 Week -I	2		II Internal Assessment Test		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
February 10-14 Week-II	1		scrolling the text and frame set.		completed	
February 17-22 Week-IV	2		Pop-up window		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
February 24-29 Week-IV	2		Hit counter, Verification of E-mail id		completed	
March 2-7 Week-I	2		ASP: Net Request and Response Employee Database Hit counter, Link Button		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
March 9-14 Week <u>IV</u>	2		Model Examination			
March 16-21 Week <u>III</u>	1		University Practical Examination			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
March 23 - 27 Week - <u>IV</u>	2					

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN



DEPARTMENT OF COMPUTER SCIENCE

SHIFT II

EVEN SEMESTER – LESSON PLAN

2019 - 2020

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER SCIENCE NOVEMBER 2019 – APRIL 2020

Year : I / II / III Subject : MOBILE COMPUTING Subject Code : PSDEA Subject i/c : J. VIMAL ROSY

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
Nov 25 - Nov 30 <u>IV</u>	5	<u>I</u>	<u>Objective :-</u> The objective of the paper is to clearly know about the wireless mobile communication & transmission.			
			<u>Introduction :-</u> Wireless : Definition of wireless, mobile and wireless. Introduction about mobile phones.	completed		

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
DEC 2 - DEC 09 I	5	I	<u>Mobile and wireless device :-</u> Sensor, embedded controller pagers. Mobile phones - personal digital assistant. Packet computer - notebook / laptop.	Test (1)	Completed	
DEC 9 - DEC 14	5	I	<u>Reference Model :-</u> Types - Need for mobile computing. wireless Transmission.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
DEC 9 - DEC 14 II	5	I	<u>Multiplexing</u> :- Definition - space division multiplexing , frequency division multiplexing , Time division multiplexing , Example.		completed	
II DEC 30 - DEC 12	2	II	<u>Spread Spectrum</u> :- spread spectrum and cellular systems - Medium Access controls. Telecommunication Systems :- ✓ GSM ✓ DECT	test (1)	completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
DEC 16 - DEC 20 <u>III</u>	5	<u>II</u>	Architecture - sessions - Protocols - Handover and security - TETRA. <u>UMTS and IMT 2000 :-</u> standardization - system Architecture - radio interface - UTRAN.	Test (1)	completed	
JAN 02 - JAN 04 <u>I</u>	5	<u>II</u>	<u>Satellite Systems :-</u> Application Basis - GEO 173 - LEO 174 - MEO 175 - Routing. Localization - Hand over.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 06 - JAN 11 <u>II</u>	5		Examples for Handover. I Internal Assessment Test.		completed	
JAN 13, JAN 19 - JAN 22 <u>III</u>	5	<u>III</u>	<u>Wireless LAN</u> : IEEE 802.11 - System Architecture - Protocol Architecture - physical layer - MAC management.	Assignment	completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 28 - JAN 29 IV	5	III	<u>HIPER LAN :-</u> HIPER LAN - WATM - BRAN - HIPERLAN 2 - Detailed Study of HIPERLAN with Example.	Test (i)	Completed	
			<u>BLUETOOTH :-</u> Architecture, Radio layer, Baseband layer. BLUETOOTH Technology, with Example.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 30, JAN 31 <u>IV</u>	5	<u>IV</u>	<u>SECURITY & LINK MANAGEMENT :</u> Security - SDP - Link Management mobile network layer , mobile IP- Dynamic host configuration Protocol- mobile ad-hoc networks.	Seminar (1)	Completed	
			<u>Mobile IP :</u> Goals - entities - IP delivery - Registration - Optimization Reverse tunneling . mobile ad-hoc networks : Routing - Destination Sequence			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
	5	IV	distance vector - Dynamic Source routing . overview ad-hoc routing . Protocols . Alternative Metrics - Routing strategies - optimized Route Discovery - Drawbacks	PPT	completed	
			<u>Mobile Transport Layer</u> :- Congestion control - Definition problem due to congestion.		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Feb 03 - Feb 08 <u>I</u>	5		<u>II</u> Internal Assessment Test.			
Feb 10 - Feb 13 <u>II</u>	5	<u>V</u>	<u>Implication on mobility :-</u> Slow start on mobile networks, mobile problem in rep.	PPT	Completed	


Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Feb 14 - Feb 21 <u>III</u>	5	<u>V</u>	<u>classical TCP improvement :</u> Indirect TCP - Advantages - Disadvantage of I - TCP. <u>Snooping TCP :-</u> Data -transfer with destination as mobile host,	Seminar	completed	
Feb 22 - Feb 28 <u>IV</u>	5	<u>V</u>	advantages - disadvantages - Transaction - oriented TCP - problem solution. <u>Mobile TCP :-</u> problem - snooping - Solution - methodology , Advantage.	Test (i)	Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Feb 29. MAR 6 VII & I	5	<u>V</u>	<u>Tcp over wireless :-</u> Wireless Transaction Protocol (WTP), Advantages & features of WTP, 2.5/3G wireless networks. limited transmit, mtu, selective	test (1)	completed	
			Acknowledgement, explicit congestion notification time stamp, no header compression.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
MARCH 7 - MARCH 13	5		MODEL EXAMINATION			
MARCH 14 - MARCH 20			<u>REVISION :</u> University Question papers	Test (1)		

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
MARCH 21- MARCH 27 <u>IV</u>	5		REVISION on unitwise important TEN Mark Questions.	Test (1)		
			Revision on unitwise important ONE Mark Questions.			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			<u>References :-</u> 1. J. Schiller 2003, Mobile communications, 2 nd edition, Pearson Education, Delhi.			
			2. Hansmann, Merk, Nicklous Stober 2004, Principles of mobile computing.			

NAME & SIGNATURE OF THE SUBJECT i/c : 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER SCIENCE NOVEMBER 2019 – APRIL 2020

Year : I-H / III Subject : WEB TECHNOLOGY Subject Code : SAE6B Subject i/c : J. VIMAL ROSY

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
NOV 25 - NOV 30 <u>IV</u>	3	<u>I</u>	<u>Objective :-</u> The objective of the paper is mainly to focus the VBScript language and Java Script language.			
			<u>Introduction :-</u> Adding VBScript code to an HTML page. VB Variables - constants - operators - mathematical - comparison - logical. conditional.		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
DEC 2 - DEC 09 I	3	I	<u>looping</u> :- ✓ looping through code ✓ Types ✓ Example with iteration	Test (1)	completed	
DEC 9 - DEC 14 I	3	I	<u>VB Script Procedures</u> :- Procedure - diagram - coding - Example program - Function - diagram - coding Example program.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
DEC 16 - DEC 20 <u>III</u>	3	I	<u>Functions :-</u> ✓ Math Function ✓ Date Function ✓ String Function ✓ Other function ✓ Examples.	Test (U)	Completed	
JAN 02 - JAN 04 <u>I</u>	3	I	VB Script coding Conventions - Dictionary object in VB Script - Err object.		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			Numeric Functions - syntax - Example programs - Determinate looping, nested if, switch statement - Examples.		completed	
JAN 6 - JAN 11	3		I Internal Assessment Test.			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 19 - JAN 22 <u>III</u>	3	<u>II</u>	<u>JAVASCRIPT</u> :- Introduction to Javascript- Advantages of Javascript - Javascript syntax - Datatypes - Variables.		Completed	
JAN 23 - JAN 29 <u>IV</u>	3	<u>II</u>	<u>Variables</u> :: [definition, rules, scope]. creating a variable, type casting, Assigning values to variables. operator & Expression.	ASSIGNMENT	Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 23 - JAN 29 <u>IV</u>	5	<u>II</u>	<u>Arrays</u> :- Definition - Storage - index values - subscripted Variables , syntax , rules. <u>Looping</u> :- Explaining the concept using flowchart.	Test (1)	completed	
			Rules for writing the body of the loop. Manual iteration , conflicts in nesting , Examples.	PPT	completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 30, JAN 31 <u>V</u>	2	<u>II</u>	<u>Control structures :-</u> constructor Function - user defined function dialog box.	Test (1)	Completed	
FEB 03 - FEB 08 <u>I</u>	5		<u>II</u> Internal Assessment Test			


Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
FEB 10 - FEB 13 FEB 08 FEB 09	3	III	<u>JDOM</u> :- Introduction - DOM - instance - Navigator - Hierarchy objects in HTML - methods of HTML objects.	Test (1)	Completed	
			<u>Event handling</u> :- Form objects methods. Event handling functions.	Seminar (1)	Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
Feb 14 - Feb 21 <u>III</u>	5	<u>III</u>	<u>Window objects</u> :- window definition - properties - loc - name - parent - status - toolbar. Document objects , Navigator obj , screen objects , Built-in objects.	Seminar	completed	
Feb 22 - Feb 28 <u>IV</u>	5	<u>IV</u>	<u>Browser objects</u> : concepts - Browser handles the document objects - diagrams - Access . <u>Form object</u> :- form arrays , form object methods - elements .	Test (1)	completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
FEB 29 - MAR 6 <u>IV</u> & I	5	<u>III</u>	<u>User defined objects :-</u> Definition - syntax - example . <u>cookies :-</u> Definition - Setting a cookie - expiry - secure , PATH.	Test (1)	Completed	
MARCH 7 - MARCH 13 <u>II</u>	5		MODEL EXAMINATION			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
MARCH 14 - MARCH 20 III	5		<u>REVISION :</u> REVISION on University Question Papers.			
MARCH 21 - MARCH 27 IV			Revision on important TEN Marks 2 TWO mark questions unitwise.	Test (C1)		

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			<u>References :</u> 1. I. Bayrass 2000, web enable App. development using HTML, DHTML, Javascript, Perl, CGI, BPB publication.			
			2. Hathleen kalata, Internet Programming with VBscript, Javascript.			

NAME & SIGNATURE OF THE SUBJECT i/c : 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.

DEPARTMENT OF COMPUTER SCIENCE - SHIFT II NOVEMBER 2019 – APRIL 2020

Year : I / ~~H~~ / ~~H~~ Subject : RDBMS LAB Subject Code : P8D21 Subject i/c : J. VIMAL ROSY

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
Nov 25 - Nov 30 <u>I</u>	2		✓ Demo ✓ Basic programs in VB ✓ connections with database.		completed	
DEC 02 - DEC 09 <u>I</u>	2	Program 1	Library Information System		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
DEC 09 - DEC 14 DEC II	2 8	Program - 2	student- Marksheet Processing		completed	
DEC 16 - DEC 20 DEC III	2 8	Program - 3	Telephone Directory Maintenance		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 02 - JAN 04	2		✓ Pending Programs ✓ Record correction		Completed	
JAN 06 - JAN 11	2		I Internal Assessment Test			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 19 - JAN 22	2	Program-4	Gas booking and delivery System		Completed	
JAN 23 - JAN 29	2	Program-5	Electricity Bill Processing		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
FEB 03 - FEB 08	2	-	<u>II</u> Internal Assessment Test.			
FEB 10 - FEB 13	2	Program-6	Bank Transaction.		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
FEB 14 - FEB 21	2	Program-7 Program-8	Payroll Processing Inventory Processing		completed	
FEB 22 - FEB 28	2	Program-9	Question Database 2 Conducting Quiz.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
FEB 29 - MAR 6	2	Program - 10	Purchase Order Processing Program.		Completed	
MARCH 07 - MARCH 13	2		MODEL EXAMINATION			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
MARCH 14 - MARCH 20	2		✓ Model Practical Examination ✓ Record Correction.			

NAME & SIGNATURE OF THE SUBJECT i/c : 

NAME OF THE STAFF : P.HEMALATHA


SUBJECTS HANDLED



CLASS	SUBJECT CODE	SUBJECT NAME
I M.Sc	PED2A	OBJECT ORIENTED ANALYSIS AND DESIGN
I M.Sc	PSD21	RDBMS LAB
III B.Sc	SEE6G	SOFTWARE ENGINEERING
III B.Sc	SAE61	WEB APPLICATION LAB
II MSW	TSSE2	COMPUTING SKILLS



SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.


DEPARTMENT OF COMPUTER SCIENCE - SHIFT II NOVEMBER 2019 – APRIL 2020



Year : I / ~~H~~ / ~~III~~ Subject : OBJECT ORIENTED ANALYSIS & DESIGN Subject Code : PED2A Subject i/c : P. HEMALATHA


Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
NOVEMBER <u>WEEK-IV</u> NOV 25- NOV 30	5	<u>UNIT-I</u>	<p>OBJECTIVE:</p> <p>The main objective of this subject is to introduce the concepts of oops with the software development.</p>			
			<p>Introduction of object oriented systems development – Two orthogonal views – methodologies – object basics – Development</p>		<p>completed</p>	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			Life cycle - Development Process - Building high quality software - Component based development - Incremental Testing - Reusability		completed	
DECEMBER WEEK-I 02.12.19- 07.12.19	5	UNIT-I	Methodologies - Patterns - UML Diagrams - Frameworks - Packages - Note - Sterotype - unified Approach.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-II DEC09 - DEC14	5	UNIT-II	use case models - Object Analysis - object Relations - usecases - Attributes - Methods.		Completed	
WEEK-III DEC15 - DEC20	5	UNIT-II	Class and object responsibility Case studies		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JANUARY WEEK-I 01.01.2020- 04.01.2020	2	<u>IV</u>	Case studies	TEST (1)	Completed	
WEEK-II 06.01.2020- 11.01.2020	2		I INTERNAL ASSESSMENT TEST			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-III 13.1.2020	1	UNIT-III	Introduction about the design processes.		Completed	
WEEK-IV JAN 20 - JAN 25	5	UNIT-III	Design Processes - Design Axioms - class Design - Various Processes - object storage - object interoperability - case studies.	TEST(3)	Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JAN 27 - JAN 31	5	UNIT-IV	User Interface Design - View layer classes - Micro level Processes - View layer Interface - case studies	TEST (H)	Completed	
FEBRUARY WEEK-I Feb 03 - Feb 08	5	UNIT-V	II INTERNAL ASSESSMENT TEST			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-II FEB10 - FEB13	5	UNIT-V	Introduction - Quality Product Quality Assurance Test - Testing strategies.		Completed	V/S
WEEK-III FEB17 - FEB22	5	UNIT-V	Object orientation on Testing - Test cases - Test Plans - Continuous Testing		Completed	V/S

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-IV FEB24 - FEB29	5	V	Debugging Principles - System usability.		Completed	VP
MARCH WEEK-I 02.03.19 - 07.03.19	5	V	Measuring user satisfaction - case studies.		Completed	VP

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-II MAR 09 - MAR 14			MODEL EXAMINATION			
WEEK-III MAR 16 - MAR 20			REVISION			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-IV MAR23 - MAR28	5		Question Paper Revision.			
			<p>REFERENCES:</p> <ol style="list-style-type: none"> 1. Ali Bahrami, Object oriented Systems Development. 2. Dr. Booch, Object oriented Analysis and Design, 2nd edition. 			

NAME OF THE STAFF : P. HEMALATHA

SIGNATURE OF THE STAFF : 


SIGNATURE OF THE HOD



SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.



DEPARTMENT OF COMPUTER SCIENCE (SHIFT II) NOVEMBER 2019 – APRIL 2020

Year : I / H / III Subject : RDBMS LAB Subject Code : P3D21 Subject i/c : P. HEMALATHA

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
NOVEMBER 28.11.19	2		<ul style="list-style-type: none"> • Demo • Basic Programs in Visual basic • Connection between VB and Oracle. 			
05.12.19	2		Library Information System.		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
DECEMBER 05.12.19 05.12.19	2	Program 2	Students Marksheet Processing T: 12.01.19		Completed	VP
12.12.19 12.12.19	2	Program 3	Telephone Directory Maintenance T: 12.01.19		Completed	VP

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
20.02.20	2	Program 1	Gas booking and delivery system.		Completed	✓
27.01.20	2	Program 1	I INTERNAL ASSESSMENT TEST Gas booking and delivery system.		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
20.01.20	2	Program 5	Electricity Bill Processing <i>24000 packing and 90000</i>		Completed	
24.01.20	2	Program 5				
27.01.20	2	Program 5	Bank Transaction <i>24000 packing and 90000</i>		completed	
30.01.20	2	Program 5				

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
FEBRUARY 04.02.20	2		<u>I</u> INTERNAL ASSESSMENT TEST			
05.02.20	2	Unit 1	INTERNAL CONTROL			
11.02.20	2		BANK Transaction		Completed	V's
12.02.20	2	Unit 1	INTERNAL CONTROL			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19.02.20	2	Program 7	Payroll Processing		completed	✓
21.02.20	2		Bank Reconciliation		completed	✓
26.02.20	2	Program 8	Inventory Control		completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
MARCH WEEK-I 04.03.19	2	Program 9 Program 10	Question Database and conducting quiz. Purchase order processing Program.		completed	✓
11.03.19 17.03.19	2	Program 10	MODEL EXAMINATION RECORD CORRECTION			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
11-3-19 11-03-19	5	Unit 1	RECORD CORRECTION			
01-03-19 11-03-19 11-03-19	5	Unit 1	Unit 1			

NAME OF THE STAFF : P. HEMALATHA


SIGNATURE OF THE STAFF : P. Hemalatha


SIGNATURE OF THE HOD: 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.



DEPARTMENT OF COMPUTER SCIENCE - SHIFT II NOVEMBER 2019 - APRIL 2020

Year : I / II / III Subject : SOFTWARE ENGINEERING Subject Code : SEEG01 Subject i/c : P. HEMALATHA



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
NOVEMBER 1 WEEK-IV NOV 26- NOV 30	6		<p>OBJECTIVE:</p> <p>The objective of this course is to study about the concepts of life cycle of software.</p>			
		UNIT-I	<p>Definitions - Size factors -</p> <p>Total effort - Distribution of effort - project size categories</p> <p>How programmer spend their</p>		Completed	



Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			time - Quality and Productivity factors - Managerial issues	TEST(1)		
DECEMBER WEEK-I 02.12.19 - 07.12.19	6	UNIT-I	Planning a software project - Defining the Problem - Goals & requirements - Developing a solution strategy -		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			Planning the development process - planning an organizational structure - other planning Activities.		Completed	✓
1 st WEEK-II 09.12.19 - 14.12.19	6	UNIT-II	Software cost Estimation - Software - cost factors - software cost estimation techniques - Specification	TEST(2)	Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			techniques - level estimation estimating software maintenance costs.		Completed	
16.12.19 - 20.12.19	6	UNIT - II	The software requirements Specification - formal Specification techniques - languages and processors for requirements Specification.		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JANUARY WEEK-I 02.01.2020 03.01.2020	1	UNIT-II	Languages and Processors for requirements Specification	TEST(2)	Completed	✓
WEEK-II 06.01.2020 11.01.2020	6	UNIT-II	I INTERNAL ASSESSMENT TEST			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-III 13.01.2020	1	UNIT-III	Software Design : Fundamental Design Concepts - Modules and modularizing criteria	TEST (3)	Completed	
WEEK-IV 19.01.2020 - 24.01.2020	6	UNIT-III	Design Notations - Design Techniques - Detailed Design Consideration - Real Time and distributed system.		Completed	


Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-III 25.01.2020 31.01.2020	6	UNIT- IV	Test plan - Mile stones Walk through and inspection. Implementation Issues:- structured coding Technique -	TEST (A)	Completed	
FEBRUARY WEEK-IV			coding style - standards and - guidelines - documentation guidelines - type checking - scoping rules - concurrency mechanism. II INTERNAL ASSESSMENT TEST		Completed	


Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
MARCH 02.03.20 07.03.20	6	UNIT-V	Quality assurance - Walk through and Inspection - static analysis - Symbolic Execution - unit testing and debugging -	TEST(5)	Completed	VP
			System testing - Formal verification Enhancing maintainability during development - Formal Verification Enhancing maintainability during		Completed	VP

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
			development - Managerial aspects of software maintenance - configuration management - Source Code metrics - other maintenance tools and techniques,	TEST (6)	Completed	V/S
08-03-20 14-03-20			REFER. MODEL EXAMINATION			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
<p>WEEK-III</p> <p>16.03.19 -</p> <p>21.03.19</p>	6		Revision			
<p>23.03.19</p> <p>27.03.19</p>	6		<p>Question Paper Revision.</p> <p>REFERENCES:</p> <p>Richard E. Fairly - Software Engineering Concepts.</p>			

NAME OF THE STAFF: P. HEMALATHA

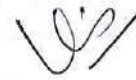
SIGNATURE OF THE STAFF: 



SIGNATURE OF THE HOD: 

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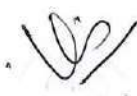
DEPARTMENT OF COMPUTER SCIENCE (SHIFT II) NOVEMBER 2019 – APRIL 2020


Year : I / II / III Subject : WEB APPLICATION LAB Subject Code : SAEBI Subject i/c : P. HEMALATHA

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
NOVEMBER <u>WEEK-IV</u> 01.12.19	<u>2</u>		OBJECTIVE : The objective of this course is to give training in web design and applications.			
02.12.19	<u>3</u>		Introduction about the web technology - Basics of HTML overview of scripting language		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
DECEMBER 02.12.19	2		Write a program to get the output of squares, roots and complements of integer between 1 and 100.		Completed	
09.12.19	2		Write a script to sort numbers and strings.		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
16.12.19	2		<p>I INTERNAL ASSESSMENT TEST</p> <p>There are 10 questions in the test. 5 are MCQs and 5 are short answer questions.</p>			
03.01.20	2		<p>create a program to generate hit counter</p>		Completed	✓
10.01.20	2		<p>Create a program to verify whether e-mail address provided</p>		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
23-01-20	2		<p>by user is valid or invalid</p> <p>The form consists of two multiple choice list and one single choice list.</p> <p>a. the first multiple choice display</p>		completed	
			<p>the major dishes available.</p> <p>b. the second multiple choice lists display the stock list</p> <p>© The single choice list displays the Miscellaneous.</p>			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
30.01.2020	2		create a web page using two image file which switch black and white one another as mouse pointer moves over the image.		Completed	
07.02.2020	2		<p>CONFIRMATION OF JOURNAL</p> <p>II INTERNAL ASSESSMENT TEST</p> <p>find frames - 296 px 296 px</p> <p>create a form that has</p>		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
14.02.2020	2		<p>Create a frameset that has two frames, side by side.</p> <ol style="list-style-type: none"> 1. Make the left hand frame contain a form with 3 radio button. 2. The button should be for three search engines. 		Completed	
22.02.2020	2		<p>Create a login form to expire, if user does not type the Password within in 100 seconds.</p>		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
29.02.2019	2		Develop an application to illustrate the usage of request and response		Completed	
			objects in the server to Web browser		Completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
07.03.2019	2		MODEL EXAMINATION			
14.03.2019	2		RECORD CORRECTION			

NAME OF THE STAFF : P. H. J.



SIGNATURE OF THE STAFF : P. H. J.

SIGNATURE OF THE HOD : V. J.

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99.



DEPARTMENT OF MSW NOVEMBER 2019 – APRIL 2020

Year: ~~I~~/II/~~III~~ Subject : COMPUTING SKILLS Subject Code : PSSD Subject i/c : MS. P. HEMALATHA

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/ Seminar	Remarks (Subject i/c)	Review (HOD)
NOVEMBER WEEK IV Nov 25 & 26	2		Introduction about the basic of computer and microsoft office.		completed	
DECEMBER WEEK - I DEC 2 & DEC 3	2		creation and basic manipulation of MS word documents.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Re. (Subje)
WEEK-II DEC 9 & DEC 10	2		Insertion of header and footer in MS word.		complete ✓✓
WEEK-III DEC 16 & DEC 17	2		Edit commands - cut, copy, Paste, Find and replace.		completed ✓✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
JANUARY WEEK-I 03.01.20. 04.01.20	2		Apply different alignment and spacing to a given paragraph Perform conditional formatting and autoformatting in MS Excel Apply mathematical function for calculation.		Completed.	✓
WEEK-II JAN 10 - JAN 11	2		Apply border style, font colour, Page border. create a table and perform autoformat		Completed.	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-III Jan 23 & 24	2		Template using Word document Mail Merge in MS-word document		Completed	
WEEK-IV Jan 30 & Jan 31			To apply a chart in work sheet. sorting data in ascending & Descending order.		completed	

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-III FEB 21 & 24			MS- PowerPoint: To insert a slide for Paper presentation with animation.		Completed	✓
MARCH FEB 29 & MARCH 2			Different animation with Various menus,		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
FEBRUARY WEEK-I 07.02.2020 08.02.2020	2		I. Internal Assessment Test II. Internal Assessment Test			
WEEK-II 14.02.2020 17.02.2020	2		To Perform fill series and Picture insertion MS-Access - Table creation, Report generation.		Completed	✓

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
WEEK-II MAR 9 & 10	2		MODEL EXAMINATION			
MAR 14	1		RECORD CORRECTION			

NAME OF THE STAFF : P. HEMALATHA

SIGNATURE OF THE STAFF: P. Hemalatha

SIGNATURE OF THE HOD: V. V.

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
MAR 16			UNIVERSITY PRACTICAL EXAMINATION			

LESSON PLAN

ODD SEM 2020 - 2021

DEPARTMENT OF COMPUTER APPLICATION

DEPARTMENT OF MATHEMATICS

DEPARTMENT OF SOCIAL WORK



SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

DEPARTMENT OF COMPUTER APPLICATIONS

WORK PLAN FOR AUGUST 2020 – DECEMBER 2020

SIC/BCA/2020-21/ODD/LP/DOC-04





SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99
DEPARTMENT OF COMPUTER APPLICATIONS –August 2020 – December 2020

YEAR: I/II/III

SUBJECT: SOFTWARE ENGINEERING

SUBJECT CODE: SAZ5B

SUBJECT i/c : Mrs.M.Grace

Date/Week	No. of Hours	Unit/ Chapter	Topics Covered	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
04.08.2020	3hrs	I	Introduction to Software Engineering: Definitions - Size Factors – Project size categories-Quality and Productivity Factors –		Completed	Checked & Verified 
11.08.2020	3hrs	I	Managerial Issues - Planing a software project: Defining the problem-Goals and requirements-Quality Attributes		Completed	Checked & Verified 
18.08.2020	3hrs	I	Developing a Solution Strategy - Planning the Development Process –Phased life-cycle Model-The Cost Model-The Prototype Life-cycle Model	Test	Completed	Checked & Verified 
25.08.2020	3hrs	I	Planning an Organization structure: Project Structure,Programming Team Structure - Other Planning Activities.	Assignment	Completed	Checked & Verified 






SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99
DEPARTMENT OF COMPUTER APPLICATIONS –August 2020 – December 2020

YEAR: I/II/III

SUBJECT: SOFTWARE ENGINEERING

SUBJECT CODE: SAZ5B

SUBJECT i/c: Mrs.M.Grace

Date/Week	No. of Hours	Unit/ Chapter	Topics Covered	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
1.9.2020	3hrs	II	Software Cost Estimation: Software cost factors - Software Cost Estimation Techniques – Staffing-level Estimation - Estimating Software Maintenance Costs		Completed	Checked & Verified 
8.9.2020	3hrs	II	The Software Requirements Specification - Formal Specification Techniques	Test	Completed	Checked & Verified 
15.9.2020	3hrs	III	Languages and Processors for Requirements Specification. Software design: Fundamental Design Concepts -	Assignment		Checked & Verified 
22.9.2020	3hrs	III	Modules and Modularization Criteria. Design Notations - Design Techniques - Detailed Design Considerations.		Completed	Checked & Verified 
29.9.2020	3hrs	III	Real-Time and Distributed System Design - Test Plans - Milestones, walkthroughs, and Inspections.		Completed	Checked & Verified 





SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99
DEPARTMENT OF COMPUTER APPLICATIONS –August 2020 – December 2020

YEAR: I/II/III

SUBJECT: SOFTWARE ENGINEERING

SUBJECT CODE: SAZ5B

SUBJECT i/c : Mrs.M.Grace

Date/Week	No. of Hours	Unit/ Chapter	Topics Covered	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
06.10.2020	3hrs		I internal Examination		Completed	Checked & Verified 
13.10.2020	3hrs	IV	Implementation issues : Structured Coding Techniques - Coding Style - Standards and Guidelines	Test	Completed	Checked & Verified 
20.10.2020	3hrs	IV	Documentation guidelines -Type Checking - Scoping Rules - Concurrency Mechanisms.	Assignment	Completed	Checked & Verified 
27.10.2020	3hrs		II internal Examination		Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99
DEPARTMENT OF COMPUTER APPLICATIONS –August 2020 – December 2020

YEAR: I/II/III

SUBJECT: SOFTWARE ENGINEERING

SUBJECT CODE: SAZ5B

SUBJECT i/c : Mrs.M.Grace

Date/Week	No. of Hours	Unit/ Chapter	Topics Covered	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
3.11.2020	3hrs	V	Quality Assurance - Walkthroughs and Inspections - Static Analysis - Symbolic Execution -	Test	Completed	Checked & Verified
10.11.2020	3hrs	V	Unit Testing and Debugging - System Testing - Formal Verification: Enhancing Maintainability during Development -	Assignment	Completed	Checked & Verified
17.11.2020	3hrs	V	Managerial Aspects of Software Maintenance - Source Code Metrics - Other Maintenance Tools and Techniques.		Completed	Checked & Verified
24.11.2020	3hrs		Model Examination		Completed	Checked & Verified



SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99
DEPARTMENT OF COMPUTER APPLICATIONS –August 2020 – December 2020

YEAR: I/II/III

SUBJECT: SOFTWARE ENGINEERING

SUBJECT CODE: SAZ5B

SUBJECT i/c : Mrs.M.Grace

Date/Week	No. of Hours	Unit/ Chapter	Topics Covered	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
08.12.2020	3hrs		Revision		Completed	Checked & Verified 
15.12.2020	3hrs		University question Paper-Revision		Completed	Checked & Verified 

Name and Signature of the Staff:





M. GRACE 

Signature of the HOD:







SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99
DEPARTMENT OF COMPUTER APPLICATIONS –August 2020 – December 2020

YEAR: I/II/III SUBJECT: PROGRAMMING IN C++ & DATA STRUCTURES SUBJECT CODE SAZ3A SUBJECT i/c : Mrs.M.Grace

Date/Week	No. of Hours	Unit/ Chapter	Topics Covered	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
3.8.2020	1.5 hrs	IV	Introduction to Data Structures-Stacks-Operations on Stacks		Completed	Checked & Verified 
10.8.2020	1.5 hrs	IV	Applications of Stack - Infix to Postfix Conversion		Completed	Checked & Verified 
17.8.2020	1.5 hrs	IV	Recursion, Maze Problems - Queues- Operations on Queues	Test	Completed	Checked & Verified 
24.8.2020	1.5 hrs	IV	Queue Applications, Circular Queue.	Assignment	Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99
DEPARTMENT OF COMPUTER APPLICATIONS –August 2020 – December 2020

YEAR: I/II/III SUBJECT: PROGRAMMING IN C++ & DATA STRUCTURES SUBJECT CODE SAZ3A SUBJECT i/c : Mrs.M.Grace

Date/Week	No. of Hours	Unit/ Chapter	Topics Covered	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
7.9.2020	1.5 hrs	IV	Linked List- Operations, Application	Test	Completed	Checked & Verified 
14.9.2020	1.5 hrs	IV	Representation of a Polynomial, Polynomial Addition	Assignment	Completed	Checked & Verified 
21.9.2020	1.5 hrs	IV	Doubly Linked List - Operations, Applications.		Completed	Checked & Verified 
28.9.2020	1.5 hrs	V	Trees and Graphs: Binary Trees		Completed	Checked & Verified 





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DEPARTMENT OF COMPUTER APPLICATIONS –August 2020 – December 2020

YEAR: I/II/III SUBJECT: PROGRAMMING IN C++ & DATA STRUCTURES SUBJECT CODE SAZ3A SUBJECT i/c : Mrs.M.Grace

Date/Week	No. of Hours	Unit/ Chapter	Topics Covered	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
5.10.2020		V	I internal Examination		Completed	Checked & Verified
12.10.2020	1.5 hrs	V	Conversion of Forest to Binary Tree	Test	Completed	Checked & Verified
19.10.2020	1.5 hrs	V	Operations - Tree Traversals;	Assignment	Completed	Checked & Verified
31.10.2020			II internal Examination		Completed	Checked & Verified

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99
DEPARTMENT OF COMPUTER APPLICATIONS –August 2020 – December 2020

YEAR: I/II/III SUBJECT: PROGRAMMING IN C++ & DATA STRUCTURES SUBJECT CODE SAZ3A SUBJECT i/c : Mrs.M.Grace

Date/Week	No. of Hours	Unit/ Chapter	Topics Covered	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
7.11.2020	1.5 hrs	V	Graph - Definition, Types of Graphs,	Test	Completed	Checked & Verified 
9.11.2020	1.5 hrs	V	Hashing Tables and Hashing Functions,	Assignment	Completed	Checked & Verified 
16.11.2020	1.5 hrs	V	Traversal - Shortest Path; Dijkstra's Algorithm.		Completed	Checked & Verified 
23.11.2020			Model Examination		Completed	Checked & Verified 

Subject In-charge:
M. GRACE



Head : 



SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99
DEPARTMENT OF COMPUTER APPLICATIONS --January 2021 – April 2021


YEAR: I/II/III SUBJECT: PROGRAMMING IN C++ USING DS LAB SUBJECT CODE: SAZ31 SUBJECT i/c : Mrs.M.GRACE

Date/Week	No. of Hours	Unit/ Chapter	Topics Covered	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
4.9.2020	1.5 hr		Stack Using Array		Completed	Checked & Verified H
11.09.2020	1.5 hr		Queue using Array		Completed	Checked & Verified H
24.10.2020	1.5 hr		Conversion of infix to postfix		Completed	Checked & Verified H
20.11.2020	1.5 hr		Implementation of postfix evaluation		Completed	Checked & Verified H

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99
DEPARTMENT OF COMPUTER APPLICATIONS –August 2020 – December 2020

YEAR: I/II/III SUBJECT: PROGRAMMING IN C++ & DATA STRUCTURES SUBJECT CODE SAZ3A SUBJECT i/c : Mrs.M.Grace

Week	No. of Hours	Unit/ Chapter	Topics Covered	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
07.12.2020	1.5hrs		Revision		Completed	Checked & Verified 
14.12.2020	1.5hrs		University question Paper-Revision		Completed	Checked & Verified 

Subject In-charge : Name & Sign: M. GRACE 

HOD : 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III

Subject: Microprocessor and its applications

Subject code: SAZ3B

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Aug Week1	3	1	Introduction to Microprocessor. Microprocessor as CPU, Arithmetic/Logic unit, Register array, control unit		Completed	Checked & Verified 
Week2	3	1	Microprocessor instruction set and assembly language. 8085 programming model		Completed	Checked & Verified 
Week3	3	1	Microprocessor architecture and its operations. Memory classification. Writing assembly level programs		Completed	Checked & Verified 
Week4	3	1	Programming techniques such as looping, counting and indexing Addressing modes	Test	Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III

Subject: Microprocessor and its applications

Subject code: SAZ3B

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Sept Week1	3	2	Data transfer instructions, Arithmetic and logic operations	Assignment	Completed	Checked & Verified 
Week2	3	2	Dynamic debugging- Single step, register examine, Breakpoint	Test	Completed	Checked & Verified 
Week3	3	3	Counters and time delays, Time delay using one register, Time delay using register pair		Completed	Checked & Verified 
Week4	3	3	Hexadecimal counter, Modulo 10 counter, Pulse timings for floating lights		Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III

Subject: Microprocessor and its applications

Subject code: SAZ3B

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Oct Week1	3	3	I Internal Assessment		Completed	Checked & Verified 
Week2	3	3	Debugging counter, time delay programs Stack, Subroutine, Conditional call and return instructions	Test	Completed	Checked & Verified 
Week3	3	4	BCD to binary conversion, Binary to BCD, BCD to Hex, Hex to BCD conversion, ASCII to BCD, BCD to ASCII		Completed	Checked & Verified 
Week4	3	4	BCD to seven segment LED code conversion, Binary to ASCII, ASCII to Binary, Multibyte addition and Subtraction BCD addition, Subtraction, Multiplication and Division	Seminar	Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III

Subject: Microprocessor and its applications

Subject code: SAZ3B

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Nov Week1	3	4	II Internal Assessment		Completed	Checked & Verified 
Week2	3	5	Interrupts, Implementing interrupts, Multiple interrupts, Trap problems, DMA memory interfaces- RAM and ROM ,I/O interface- Direct I/O, Memory mapped I/O	Test	Completed	Checked & Verified 
Week3	3	5	Model examination		Completed	Checked & Verified 
Week4	3		Revision on Unit I		Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III

Subject: Microprocessor and its applications

Subject code: SAZ3B

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Dec Week1	3		Revision on Unit 2,3	Seminar	Completed	Checked & Verified
Week2	3		Revision on Unit 4,5		Completed	Checked & Verified

Signature of the Staff: C.T. Ashita

HOD Sign: Ashita

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III

Subject: Fundamentals of IT

Subject code: KDA31

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Aug Week1	3	1	Introduction to computers, Classification of digital computers		Completed	Checked & Verified 
Week2	3	1	Computer architecture, Number system		Completed	Checked & Verified 
Week3	3	1	Compliments, Logic gates, Truth table		Completed	Checked & Verified 
Week4	3	1	Boolean algebra, simplification of Boolean function	Test	Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III

Subject: Fundamentals of IT

Subject code: KDA31

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Sept Week1	3	2	Introduction to computer software- C, DBMS, RDBMS		Completed	Checked & Verified 
Week2	3	2	Implementing number sorting, Matrix addition, Multiplication	Test	Completed	Checked & Verified 
Week3	3	2	Palindrome checking, Searching an element in an array		Completed	Checked & Verified 
Week4	3	3	Creating word document- Editing text, Adding and formatting numbers, Symbols, Printing, Creating tables using MS Excel, Creating graphs using tables		Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III

Subject: Fundamentals of IT

Subject code: KDA31

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Oct Week1	3	3	I Internal Assessment		Completed	Checked & Verified
Week2	3	3	MS Access- Planning and creating tables- forms and modifying tables, creating relational database, Form design and reports	Test	Completed	Checked & Verified
Week3	3	3	MS PowerPoint-Preparing PowerPoint presentation for marketing products Introduction to Internet, Resources of Internet, Hardware and software requirements of Internet	Assignment	Completed	Checked & Verified
Week4	3	4	Internet service providers, creating an email account, sending and receiving messages with attachments, Multimedia and its applications		Completed	Checked & Verified

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99



DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III

Subject: Fundamentals of IT

Subject code: KDA31

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Nov Week1	3	4	II Internal Assessment		Completed	Checked & Verified 
Week2	3	5	Application software, Accounting packages Statistical packages, preparation of financial statements and statistical analysis	Test	Completed	Checked & Verified 
Week3	3	5	Model Examination			
Week4	3		Revision			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III


Subject: Fundamentals of IT

Subject code: KDA31

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Dec Week1	3		Revision	Seminar		
Dec Week2	3		Revision			

Signature of the staff: 

HOD Sign: 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III

Subject: RDBMS Lab

Subject code: SAZ51

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Aug Week1	3		Introduction to SQL , RDBMS concepts Project: Employee processing system- Creating the table Designing the form and coding		Completed	Checked & Verified
Week2	3		Practice		Completed	Checked & Verified
Week3	3		Project: Student Information system- Creating the table Designing the form and coding		Completed	Checked & Verified
Week4	3		Practice	Test	Completed	Checked & Verified

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III

Subject: RDBMS Lab

Subject code: SAZ51

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Sept Week1	3		Project: Electricity bill preparation system- Creating the table Designing the form and coding		Completed	Checked & Verified 
Week2	3		Practice	Test	Completed	Checked & Verified 
Week3	3		Project: Telephone directory maintenance Creating the table, Designing the form and coding		Completed	Checked & Verified 
Week4	3		Practice		Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III

Subject: RDBMS Lab

Subject code: SAZ51

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Oct Week1	3		I Internal Assessment		Completed	Checked & Verified 
Week2	3		Project: Banking system - Creating the table, Designing the form and coding	Test	Completed	Checked & Verified 
Week3	3		Practice		Completed	Checked & Verified 
Week4	3		Project :Invoice system - Creating the table, Designing the form and coding		Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III

Subject: RDBMS Lab

Subject code: SAZ51

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Nov Week1	3		II Internal Assessment		Completed	Checked & Verified
Week2	3		Project: Inventory system - Creating the table, Designing the form and coding	Test	Completed	Checked & Verified
Week3	3		Model Examination			
Week4	3		Revision			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99


DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020


Year: I/II/III


Subject: Python Lab

Subject code: SE211

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Aug Week4	1.5		Program- Fahrenheit to Celsius Procedure		Completed	Checked & Verified 

Signature of the Staff: 

HOD Sign: 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III

Subject: Python Lab

Subject code: SE211

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Sept Week1	1.5		Program- Fahrenheit to Celsius Construction of flowchart		Completed	Checked & Verified 
Week2	1.5		Program- Fahrenheit to Celsius Coding and execution	Test	Completed	Checked & Verified 
Week3	1.5		Program- Celsius to Fahrenheit Construction of flowchart		Completed	Checked & Verified 
Week4	1.5		Program- Celsius to Fahrenheit Coding and execution		Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III

Subject: Python Lab

Subject code: SE211

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Oct Week1	1.5		Program- Calculation of grade Flowchart		Completed	Checked & Verified
Week2	1.5		Program- Calculation of grade Coding and execution	Test	Completed	Checked & Verified
Week3	1.5		Program- factorial Flowchart		Completed	Checked & Verified
Week4	1.5		Program- factorial Coding and execution		Completed	Checked & Verified

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III

Subject: Python Lab

Subject code: SE211

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Nov Week1	1.5		I Internal Assessment		Completed	Checked & Verified
Week2	1.5		Program- Counting the number of even and odd numbers Flowchart,Coding and execution	Test	Completed	Checked & Verified
Week3	1.5		Program- Sum of all items in a dictionary Flowchart		Completed	Checked & Verified
Week4	1.5		Program- Sum of all items in a dictionary Coding and execution		Completed	Checked & Verified

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF COMPUTER APPLICATIONS August 2020 – December 2020

Year: I/II/III

Subject: Python Lab

Subject code: SE211

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Dec Week1	1.5		II Internal Assessment		Completed	Checked & Verified
Week2	1.5		Program- construction of a pattern Flowchart, Coding and execution		Completed	Checked & Verified
Week3	1.5		Revision			
Week4	1.5		Model Examination			

Signature of the Staff: *Chithra*

HOD sign: *[Signature]*

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN

DEPARTMENT OF MATHEMATICS
LESSON PLAN FOR THE ODD SEMESTER

AUGUST 2020 – JANUARY 2021
OF THE ACADEMIC YEAR 2020 – 2021

SIC/BSC/MSC-MAT/2020-21/ODD/LP/DOC-04

CLASS: II-B.Sc-Maths SUBJECT: Integral calculus SUBJECT CODE: TAM3A

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
05.08.2020	3	I	Reduction Formula Bernoulli's Formula			
13.08.2020	3	I	Derivation of $\int \tan^n x dx$, $\int x^n (\log x)^m dx$, $\int \sec^n x dx$		Completed	lf
20.08.2020	3	III	Beta and Gamma functions			
28.08.2020	3	III	properties and problems			
01.09.2020	3	IV	Gradient, Divergence, curl			
07.09.2020	3	IV	Directional derivative, Solenoidal, irrotational			
14.09.2020	3	IV	Laplacian operator		Completed	lf
28.09.2020	3	V	Line integral, Surface integral			
12.10.2020	3	V	Volume integral.			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19.10.2020	3	<u>II</u>	Double integral			
02.11.2020	3	<u>II</u>	Triple integral			
09.11.2020	3	<u>II</u>	Volume of Solids of Revolution			
16.11.2020	3	<u>V</u>	Gauss Theorem, Stokes theorem, Green's theorem		completed	lf
23.11.2020	3	<u>II</u>	change of variables, Jacobian			
30.11.2020	3	<u>II</u>	Area of curved surfaces			

ODD SEMESTER 2020-2021

SUBJECT INCHARGE: M. Ramya Devi

CLASS: I M.Sc Maths SUBJECT: ORDINARY DIFFERENTIAL EQUATIONS SUBJECT CODE: MFF1C

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
04.12.2020	3	I	Linear equations with constant coefficients			
11.12.2020	3	II	Linear equations with constant coefficients of order n.			
18.12.2020	3	III	Linear equations with variable coefficients			
26.12.2020	3	IV	Linear equation with regular singular points			
09.01.2021	3	IV	Legendre equation, Bessel equation			
16.01.2021	3	V	Existence and Uniqueness of solutions to first order equations			
22.01.2021	3	V	Exact equation. Method of successive approximations			
05.02.2021	3	V	Lipschitz condition			

CLASS: III BCA SUBJECT: RESOURCE MANAGEMENT TECHNIQUES SUBJECT CODE: SAZ5C

Date Week	No. of Hours	Unit Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
03.08.2020	3	<u>III</u>	Assignment problem		Completed	If
12.08.2020	3	<u>III</u>	Transportation problem			
19.08.2020	3	<u>III</u>	Optimality test for Transportation problem			
26.08.2020	3	<u>IV</u>	sequencing problem			
02.09.2020	3	<u>IV</u>	sequencing of n jobs through m machines		Completed	If
09.09.2020	3	<u>IV</u>	Game theory			
16.09.2020	3	<u>V</u>	Network Analysis			
30.09.2020	3	<u>V</u>	Pert Network			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
07.10.2020	3	I	Linear programming Problem			
14.10.2020	3	I	Simplex Method			
21.10.2020	3	II	Big M method		Completed	NA
28.10.2020	3	II	Dual Simplex method			
04.11.2020	3	V	Simulation			

DEPARTMENT OF MATHEMATICS

ODD SEMESTER 2020 - 2021

Class: III B.Sc MATHS

Subject: Algebraic Structures

Subject code: TAM5A

Subject incharge
P. Dhanalakshmi

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
03.08.2020	3	<u>I</u>	Introduction to set, group and examples of groups.	Test	}	
10.08.2020	3	<u>I</u>	Subgroups, cyclic groups and properties of cyclic groups.			
17.08.2020	3	<u>I</u>	Lagrange's theorem, A counting principle.			
24.08.2020	3	<u>II</u>	Normal subgroups		completed	M
07.09.2020	3	<u>II</u>	Quotient groups, Homomorphism	Test	}	
14.09.2020	3	<u>II</u>	Automorphism			completed M
21.09.2020	3	<u>III</u>	Cayley's theorem	Test	}	
28.09.2020	3	<u>III</u>	Permutation groups			completed M
05.10.2020			I Internal Assessment			
12.10.2020	3	<u>IV</u>	Definitions and example of ring. Some special cases of rings, Homomorphism		completed	M

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
19.10.2020	3	<u>IV</u>	Ideals and quotient rings	Assignment	completed	H
27.10.2020	3	<u>IV</u>	More ideals and quotient rings			
02.11.2020			<u>II</u> Internal Assessment			
09.11.2020	3	<u>V</u>	The field of quotients of an integral domain	Test	completed	H
16.11.2020			Model Exam			
23.11.2020	3	<u>V</u>	Euclidean rings		completed	H
30.11.2020	3	<u>V</u>	The particular Euclidean ring			
07.12.2020	3		Revision			
14.12.2020	3		Revision			

Class: II B.Sc Maths Subject: Differential Equations Subject code: TAM3B Subject incharge: P. Dhanalakshmi

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
05.08.2020	3	I	Homogeneous equation	Test	completed	A
12.08.2020	3	I	Exact equation, integrating factor			
19.08.2020	3	I	Linear equations, Reduction of order			
26.08.2020	3	II	Second order linear differential eqns- introduction, general solution of homogeneous equation.	Test	completed	A
01.09.2020	3	II	The use of known solution to find another homogeneous eqn with constant coefficients			
08.09.2020	3	II	Method of undetermined coefficients			
15.09.2020	3	II	Method of variation of parameters	Test	completed	A
22.09.2020	3	III	System of first order equations			
29.09.2020	3	III	Linear systems			
06.10.2020			I Internal Assessment			

Date Week	No. of Hours	Unit/Chapter	Topics Covered	Test Assignment Seminar	Remarks (Subject i/c)	Review (HOD)
13.10.2020	3	<u>III</u>	Homogeneous linear systems with constant coefficients	Test	Completed	M
20.10.2020	3	<u>IV</u>	Formation of partial differential eqn by eliminating arbitrary constants	Assignment	Completed	M
27.10.2020	3	<u>IV</u>	Complete integral, singular integral			
03.11.2020			<u>II</u> Internal Assessment			
10.11.2020	3	<u>IV</u>	General integral, Lagrange's equation $Pp + Qq = R$		Completed	M
17.11.2020			Model Exam			
24.11.2020	3	<u>V</u>	Charpit's method	Test	Completed	M
01.12.2020	3	<u>V</u>	Special types of first order equations			
08.12.2020	3		Revision			
15.12.2020	3		Revision			

Class: I M.Sc Maths Subject: Algebra-I Subject code: MFFIA Subject in charge: P. Dhanalakshmi

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
02.12.20	3	<u>II</u>	Direct products, finite abelian groups	Test	completed	lf
09.12.20	3	<u>II</u>	Modules			
16.12.20	3	<u>III</u>	Linear transformation canonical forms - triangular form	Test	completed	lf
23.12.20	3	<u>III</u>	Nilpotent transformations			
30.12.20	3	<u>IV</u>	Jordan form	Test	completed	lf
06.01.21	2	<u>IV</u>	I Internal Assessment Rational canonical form			
20.01.21	3	<u>V</u>	Trace and transpose, Hermitian, unitary transformations	Test	completed	lf
27.01.21	3	<u>V</u>	Normal transformation, real quadratic form			
03.02.21	2	<u>I</u>	Model Exam Group action on a set, Sylow theorems		completed	lf

Class: I BCA Subject: Mathematics - I Subject code: SM3AA

Subject incharge: P. Dhanalakshmi

Date Week	No. of Hours	Unit Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject i/c)	Review (HOD)
03.09.20	3	I	Binomial series, exponential series	Test	completed	M
10.09.20	3	I	Logarithmic series, forward & backward operator, shift operator			
17.09.20	3	I	Newton Raphson method, Newton's forward formula.			
24.09.20	3	I	Newton's backward formula, Lagrange's interpolation formula.			
01.10.20	3	II	Symmetric, skew symmetric, orthogonal, Hermitian, skew Hermitian matrices	Test	completed	M
08.10.20	3	II	Eigen Values and Eigen vectors			
15.10.20	3	II	Cayley Hamilton theorem, finding inverse			
22.10.20	3	III	Polynomial eqns with real coeffs, irrational roots.	Test	completed	M
29.10.20	3	III	Complex roots, symmetric functions of roots.			
05.11.20			I Internal Assessment			

Date/Week	No. of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Subject v/c)	Review (HOD)
12.11.20	3	<u>III</u>	Transformation of eqn by increasing or decreasing roots, reciprocal eqn.	Test	completed	H
19.11.20	3	<u>IV</u>	Expansions of $\sin(n\theta)$ and $\cos(n\theta)$, Expansions of $\sin^n \theta$, $\cos^n \theta$, $\tan^n \theta$			
03.12.20			<u>II</u> Internal Assessment			
10.12.20	3	<u>IV</u>	Expansions of $\sin \theta$, $\cos \theta$ and $\tan \theta$ in powers of θ .	Test	completed	H
17.12.20	3	<u>IV</u>	Hyperbolic and inverse hyperbolic functions.			
24.12.20	3	<u>V</u>	Successive differentiation, Leibnitz's theorem.	Assignment		
31.12.20	3	<u>V</u>	Maxima and minima of functions			
07.01.21	3	<u>V</u>	Curvature, radius of curvature.	Test	completed	H
21.01.21	3		Revision			
04.02.21	3		Revision			

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN

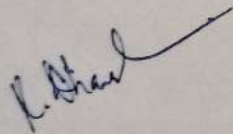


**DEPARTMENT OF SOCIAL WORK
SHIFT – II**

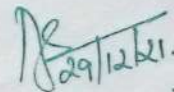
**ODD SEMESTER – LESSON PLAN
2020– 2021**

DEPARTMENT OF SOCIAL WORK (PG) - SHIFT II

S.NO	CLASS	SUBJECT CODE	SUBJECT	STAFF INCHARGE	PAGE NUMBER
1	II MSW	HBWDA	MEDICAL SOCIAL WORK	R. DHANALAKSHMI	
2		HBWDB	PSYCHIATRIC SOCIAL WORK	R. DHANALAKSHMI	
3		HBW3A	MANAGEMENT OF ORGANIZATIONS	R. DHANALAKSHMI	
4		HBWEC	COUNSELING – THEORY AND PRACTICE	R. DHANALAKSHMI	
5		HBWEE	SOCIAL POLICY AND SOCIAL LEGISLATION	R. DHANALAKSHMI	



SIGNATURE OF HOD



SIGNATURE OF PRINCIPAL 

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

DEPARTMENT OF SOCIAL WORK (PG)

LESSON PLAN - AUGUST 2020 – DECEMBER 2020

Staff – In – Charge : Dhanalakshmi
Class : II MSW

Subject : Medical Social Work
Code : HBWDA

Date/ Week	Hours	UNIT	Topics Covered	Methodology	Remarks	Review (HOD)
3.8.2020	3	I	Unit 1 : History of Medical Socialwork Introduction – Definition, Origin, Concept and the role of Medical Social Work practice	Assignment/ Test	Completed	11/
10.8.2020	3	I	History of medical social work in UK, USA and India		Completed	✓
17.8.2020	3	I	Trends and Scope of Medical Social Work Practice in India		Completed	✓
24.8.2020	3	II	Unit 2 : Health care Approaches and Intervention Psycho-somatic approach, Prevention and Promotion Model		Completed	✓
31.8.2020			ONAM		Completed	✓
7.9.2020	3	II	Problem Assessment – Intake Methods – case history taking	Seminar	Completed	✓
14.9.2020	3	II	Problems due to Hospitalization		Completed	✓
21.9.2020	3	II	Application of Methods – Group Work, Counselling and Psychotherapy		Completed	✓
28.9.2020	3		Revision : Internal Exam - I	Quiz/ Class discussion	Completed	✓

5.10.2020 – 9.10.2020			INTERNAL EXAM – I		Completed	✓
12.10.2020	3	III	Unit 3 : Medical Social Work Department Medical Social Work Department- Scope, functions; Multi-disciplinary approach, team work , case documentation and case conference		Completed	✓
19.10.2020	3	IV	Unit 4 : Medico-legal issues COPRA ACT, Euthanasia, Organ Transplantation		Completed	✓
26.10.2020			VIJAYADASAMI			
2.11.2020 – 6.11.2020			INTERNAL EXAM – II		Completed	✓
9.11.2020	3	V	Unit 5 : Medical Social Work Practice in different settings		Completed	✓
16.11.2020 – 21.11.2020			MODEL EXAMINATION		Completed	✓
23.11.2020	3		Relevance of social work interventions in health care settings	Online Test & Class discussions	Completed	✓
30.11.2020	3		REVISION		Completed	✓
7.12.2020	3		REVISION		Completed	✓
8.12.2020			PY – UNIVERSITY EXAM		Completed	✓
14.12.2020	3		REVISION	PY Question papers	Completed	✓
21.12.2020	3		REVISION		Completed	✓

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

DEPARTMENT OF SOCIAL WORK (PG)

LESSON PLAN - AUGUST 2020 – DECEMBER 2020

Staff – In – Charge : Dhanalakshmi
Class : II MSW

Subject : Psychiatric Social Work
Code : HBWDB

Date/ Week	Hours	UNIT	Topics Covered	Methodology	Remarks	Review (HOD)
4.8.2020	3	I	Unit 1 :History and scope of psychiatric social work Definition, Changing perspectives of PSW, social work practice in various mental health services.	Test / Assignment	Completed	
11.8.2020	3	I	Mileu therapy and Therapeutic Community, Multi-disciplinary approach.		Completed	
18.8.2020	3	II	Unit 2 :Theory and Models Psycho-analytical, psycho-social		Completed	
25.8.2020	3	II	Transactional Analysis		Completed	
1.9.2020	3	II	Family therapy & Crisis Intervention		Completed	
8.9.2020	3	II	Behaviour Therapy, Rational Emotive Therapy	Quiz	Completed	
15.9.2020	3	II	Group Therapy and Strength approach		Completed	

Date/ Week	Hours	UNIT	Topics Covered	Methodology	Remarks	Review (HOD)
22.9.2020	3	III	Unit – III – Psychiatric Social Work practice Child Mental Health , De-addiction clinics, crisis intervention clinics		Completed	✓
29.9.2020	3	III	Geriatric clinics, schools, family counseling centres, Industrial setting		Completed	✓
5.10.2020 – 9.10.2020			INTERNAL EXAM – I		Completed	✓
13.10.2020	3	IV	Unit 4 : Rehabilitation in Psychiatry Concepts, principles, process and programmes – community psychiatry		Completed	✓
20.10.2020	3	IV	Community based rehabilitation and role of psychiatric social worker	Seminar	Completed	✓
27.10.2020	3		Revision – IA – II			
2.11.2020 – 6.11.2020			INTERNAL EXAM – II		Completed	✓
10.11.2020	3	V	Unit 5: Mental Health Acts Mental Health acts, Rights on the person with disabilities, rights of the mentally ill & advocacy.		Completed	✓
16.11.2020 – 21.11.2020			MODEL EXAMINATION		Completed	✓
24.11.2020	3		National Mental Health Programme (1982) and revised version 2002, District mental health programmes and their implementation	Online Test & Class discussions	Completed	✓
1.12.2020	3		Revision		Completed	✓
8.12.2020			PY – UNIVERSITY EXAM		Completed	✓
15.12.2020	3		Revision	PY Question papers	Completed	✓
22.12.2020	3		Revision		Completed	✓

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

DEPARTMENT OF SOCIAL WORK (PG)

LESSON PLAN - AUGUST 2020 – DECEMBER 2020

Staff – In – Charge : Dhanalakshmi

Class : II MSW

Subject : Management of Organizations

Code : HBW3A

Date/ Week	Hours	UNIT	Topics Covered	Methodology	Remarks	Review (HOD)
5.8.2020	3	I	Unit 1 : Historical perspective, Role of NGOs, National Policy on Voluntary Sector 2005	Test / Assignment	Completed	✓
12.8.2020	3	I	Scope – Scientific Management – welfare organizations; Types of Non-Profit Organizations - NGO, INGO, Quasi, transnational NGOs		Completed	✓
19.8.2020	3	I	Society's registration act, trust act 1912, cooperative societies act 1912; FCRA and FEMA.		Completed	✓
26.8.2020	3	II	Unit 2 :Management of Welfare Organizations Types of settings, Organizational Characteristics, organizational climate and impact.		Completed	✓
2.9.2020	3	II	Management Process : Vision of planning, organizing, directing staff, cooperation and evaluation.		Completed	✓
9.9.2020	3	II	Establishments, registration, different types of legislations's, legal status, constitution rules and procedures	Quiz	Completed	✓
Date/ Week	Hours	UNIT	Topics Covered	Methodology	Remarks	Review (HOD)

16.9.2020	3	III	Unit 3 :Programme Development Project planning – long term and documentation, project proposals based on needs, nature of resources, Budgeting		Completed	✓
23.9.2020	3	III	SWOT Analysis, Project Monitoring, Project Evaluation.		Completed	✓
30.9.2020	3	III	Impact Analysis – Qualitative and Quantitative – verifiable indicators		Completed	✓
5.10.2020 – 9.10.2020			INTERNAL EXAM - I		Completed	✓
14.10.2020	3	IV	Unit 4 : Project Management Change Management, Policies and programmes and structure, Conflict – understanding and conflict resolution		Completed	✓
21.10.2020	3	IV	Positive Climate – Concept of project and project cycle management, strategic plan, Tactic Plan	Seminar	Completed	✓
28.10.2020	3	IV	Project Proposal writing, LFA, Fund raising methods		Completed	✓
2.11.2020 – 6.11.2020			INTERNAL EXAM – II		Completed	✓
11.11.2020	3	V	Unit 5: Networking and Collaboration Networking and collaborating with GOS and NGOs, Corporates, accountability, transparency, use of media for publicity		Completed	✓
Date/ Week	Hours	UNIT	Topics Covered	Methodology	Remarks	Review (HOD)
16.11.2020 – 21.11.2020			MODEL EXAMINATION		Completed	✓
25.11.2020	3		Revision			

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

DEPARTMENT OF SOCIAL WORK (PG)

LESSON PLAN - AUGUST 2020 – DECEMBER 2020

Staff – In – Charge : Dhanalakshmi
Class : II MSW

Subject : Counseling – Theory and Practice
Code :

Date/ Week	Hours	UNIT	Topics Covered	Methodology	Remarks	Review (HOD)
7.8.2020	3	I	Unit 1 : Concept of Counselling Definition, principles and goals, factors influencing counselling process; counseling as a professional	Test / Assignment	Completed	✓
14.8.2020	3	I	Burn out stress management , self-renewal, client as a person, voluntary and non-voluntary client.		Completed	✓
21.8.2020	3	II	Unit 2 : Different approaches to counselling Approaches, Overview of alternative approaches: yoga, meditation, story telling, art therapy, psychodrama		Completed	✓
28.8.2020	3	II	Medical clowning, Laughter therapy, movement therapy			
4.9.2020	3	II	Need for eclectic approach to counseling			

2.12.2020	3		Revision & Mock proposal writing	Online Test & Class discussions	Completed	11/
9.12.2020	3		Revision		Completed	11/
16.12.2020	3		Revision	PY Question papers	Completed	11/

Date/ Week	Hours	UNIT	Topics Covered	Methodology	Remarks	Review (HOD)
18.9.2020	3	III	Unit 3: Types and techniques to counseling Directive counselling, non-directive counselling, individual counselling, group counselling, community counselling, peer counselling		Completed	✓
25.9.2020	3	III	Counselling techniques : Intake, rapport building, establishing structure, interaction, attending behavior, observation and responding , SOLER		Completed	✓
5.10.2020 - 9.10.2020			INTERNAL EXAM – I		Completed	✓
16.10.2020	3	IV	Unit 4 :Eagan model of Counseling Stage -1: Micro skills and Helper's response Stage – 2 : Integrative understanding/dynamic self- understanding, Helpers stage		Completed	✓
23.10.2020	3	IV	Stage – III – Facilitating Action, Developing new perspective, preferred scenario, Action plan, implement and evaluate	Seminar	Completed	✓
2.11.2020 - 6.11.2020			INTERNAL EXAM – II		Completed	✓
13.11.2020	3	V	Unit 5: Counseling in different settings Marital, Family, HIV/AIDS Pastoral Counseling.		Completed	✓
Date/ Week	Hours	UNIT	Topics Covered	Methodology	Remarks	Review (HOD)
16.11.2020 - 21.11.2020			MODEL EXAMINATION		Completed	✓

27.11.2020	3		Career guidance and grief counseling, counselling suicidal clients, gerontological counselling, adolescent counselling, de-addiction counselling and disaster counselling.	Online Test & Class discussions	Completed	✓
4.12.2020	3		Revision		Completed	✓
11.12.2020	3		Revision		Completed	✓
18.12.2020	3		Revision	PY Question papers	Completed	✓





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






DEPARTMENT OF SOCIAL WORK (PG)

LESSON PLAN - AUGUST 2020 – DECEMBER 2020

Staff – In – Charge : Dhanalakshmi
Class : II MSW

Subject : Social Policy and Social Legislation
Code : HBWKE

Date/ Week	Hours	UNIT	Topics Covered	Methodology	Remarks	Review (HOD)
7.8.2020	3	I	Unit 1 : Social Policy and Constitution Social Policy, social welfare policy its relation to constitution, Directive Principles of State policy in India	Test / Assignment	Completed	
14.8.2020	3	I	Social Policy and planned social change and development.			
21.8.2020	3	II	Unit 2 : Policy formulation and approaches Unified, Integrated and sectoral; models of social policy and their application to Indian situation.		Completed	
28.8.2020	3	II	Policies in India –a historical perspective – policies – backward classes		Completed	
4.9.2020	3	II	Review of five year plans, programmes and policies of Twelfth (12) five year plan.		Completed	

Date/ Week	Hours	UNIT	Topics Covered	Methodology	Remarks	Review (HOD)
18.9.2020	3	III	Unit 3: Policy and Planning Concept, scope, linkages between social policy and social planning. Social work and social planning		Completed	
25.9.2020	3	III	Political Judiciary, social movement and voluntary action, legal aid and public interest litigation.		Completed	
5.10.2020 – 9.10.2020			INTERNAL EXAM – I		Completed	
16.10.2020	3	IV	Unit 4 : Major social legislation in India I Legislation pertaining to Marriage, Divorce and succession, Hindu Marriage Act 1955, Hindu Adoption and Maintenance Act 1956.		Completed	
23.10.2020	3	IV	Provision regarding marriage and divorce act, MTP Act, Dowry Prohibition Act, Tamil Nadu Prohibition of Eve Teasing Act 1988.	Seminar	Completed	
2.11.2020 – 6.11.2020			INTERNAL EXAM – II		Completed	
13.11.2020	3	V	Unit 5: Major Social Legislations in India II Protection of civil rights, prevention of atrocities act, Immoral traffic prevention act.		Completed	

Date/ Week	Hours	UNIT	Topics Covered	Methodology	Remarks	Review (HOD)
16.11.2020 — 21.11.2020			MODEL EXAMINATION		Completed	✓
27.11.2020	3		Revision	Online Test	Completed	✓
4.12.2020	3		Revision	& Class discussions	Completed	✓
11.12.2020	3		Revision		Completed	✓
18.12.2020	3		Revision	PY Question papers	Completed	✓

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN







DEPARTMENT OF SOCIAL WORK (PG)

LESSON PLAN - NOVEMBER 2020 – FEBRUARY 2021

Staff – In – Charge : Dhanalakshmi Subject : Organisational Behavior

Class : I MA HRM

Code : PMC1B

Date/ Week	Hours	UNIT	Topics Covered	Methodology	Remarks	Review (HOD)
02.12.2020	3	I	Unit 1 :Introduction to Organisational Behavior Historical background of OB – relevance of OB to Management Functions – contributing disciplines – challenges	Assignment/ Test	Completed	
09.12.2020	3	I	Personality – Trait Theories – Psychoanalytical social learning – personality – job fit – perception		Completed	
16.12.2020	3	II	Unit 2 :Theories related to Learning and Motivation Learning – classical and operant conditioning Emotions and Emotional intelligence		Completed	
23.12.2020	3	II	Theories related to motivations Attitudes and values – source of attitude and work related attitudes	Seminar	Completed	
30.12.2020	3		Revision : Internal Exam - I	Quiz/ Class discussion	Completed	
04.01.2021 to 08.01.2021			Internal Examination I		Completed	

11.01.2021	3	III	Unit 3 :Group Dynamics Foundations of Group Behavior – Group and Team – Group decision making and inter group relations.		Completed	B
12.01.2021	3	IV	Unit 4 :Leadership – Conflict and Negotiation Leadership, power and politics , Types of conflict – negotiation and negotiation strategies	Quiz/ Class discussion	Completed	B
18.01.2021 To 22.01.2021			INTERNAL EXAM – II		Completed	W
27.01.2021	3	V	Unit 5 :Work Stress Work stress and managing work place stress Organizational culture and climate Organizational change and development	Assignment	Completed	B
29.01.2021 to 03.02.2021			MODEL EXAMINATION		Completed	B
04.02.2021	3		REVISION		Completed	B
05.02.2021	3		REVISION		Completed	B
08.02.2021	3		REVISION		Completed	B
10.02.2021	3		UNIVERSITY EXAM		Completed	B

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

DEPARTMENT OF SOCIAL WORK (PG)

LESSON PLAN - NOVEMBER 2020 – FEBRUARY 2021

Staff – In – Charge : Dhanalakshmi Subject : Legal Framework

Class : I MA HRM

Code : PMC1D

Date/ Week	Hours	UNIT	Topics Covered	Methodology	Remarks	Review (HOD)
4.12.2020	3	I	Unit 1 :Introduction to Labour Laws Labour laws and their socio-economic environment	Assignment/ Test	Completed	g
11.12.2020	3	I	Laws relating to industrial disputes		Completed	g
18.12.2020	3	II	Unit 2 :Trade Unions and standing orders Trade unions and standing orders – laws relating to discharge – Domestic enquiry		Completed	u/
01.01.2021	3	II	Laws related to disciplinary action and social security laws	Seminar	Completed	g
04.01.2021 to 08.01.2021	3		Revision : Internal Exam – I	Quiz/ Class discussion	Completed	g
11.01.2021	3	III	Unit 3 : Laws related to ESI and PF Laws relating to Work Men Compensation, Employees State Insurance , Provident Fund, Gratuity and Maternity Relief		Completed	g
12.01.2021	3	IV	Unit 4 :Wage and Bonus Law Laws of Minimum wages, Payment of Wages, Payment		Completed	g

			of Bonus		Completed	11
18.01.2021 To 22.01.2021			INTERNAL EXAM – II		Completed	12
25.01.2021	3	V	Unit 5 :Laws relating to working conditions		Completed	13
			Laws relating to factories, establishment and contract labour, union, workmen, Economy and the industry		Completed	14
29.01.2021 to 03.02.2021			MODEL EXAMINATION		Completed	15
04.02.2021	3		REVISION		Completed	16
05.02.2021	3		REVISION		Completed	17
08.02.2021			REVISION		Completed	18
10.02.2021	3		UNIVERSITY EXAM		Completed	19

LESSON PLAN

2020-2021

EVEN SEMESTER

DEPARTMENT OF BCA

**DEPARTMENT OF INFORMATION SYSTEM
MANAGEMENT**



2

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN

DEPARTMENT OF COMPUTER APPLICATIONS

WORK PLAN FOR JANUARY 2021-APRIL 2021

SIC/BCA/2020-2021/EVEN/LP/DOC-04

DEPARTMENT OF COMPUTER APPLICATIONS

Lesson Plan for January 2021 – April 2021

CLASS : III BCA

SUBJECT : DATA AND COMMUNICATION NETWORKING

SUBJECT CODE:SA65A

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks
04.01.2021	1.5hrs	I	Introduction to Data Communication, Network, Protocols & standards and standards organizations		checked Verified [Signature]
22.01.2021	1.5hrs	I	Line Configuration - Topology		checked Verified [Signature]
29.01.2021	1.5hrs	I	Transmission mode - Classification of Network	Test	checked Verified [Signature]
05.02.2021	1.5hrs	I	OSI Model - Layers of OSI Model.	Assignment	checked Verified [Signature]

DEPARTMENT OF COMPUTER APPLICATIONS

Lesson Plan for January 2021 – April 2021

CLASS : III BCA

SUBJECT : DATA AND COMMUNICATION NETWORKING

SUBJECT CODE:SA65A

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks
12.02.2021	1.5hrs	III	Multiplexing - Types of Multiplexing - Multiplexing Application –		Checked Verified A
19.02.2021	1.5hrs	III	Telephone system - Project 802 - Ethernet - Token Bus - Token Ring - FDDI - IEEE 802.6	Test	Checked Verified A
26.02.2021	1.5hrs	III	SMDS - Circuit Switching - Packet Switching - Message switching -	Assignment	Checked Verified A
05.03.2021		III	I INTERNAL EXAMINATION		
12.03.2021	1.5hrs	III	Connection Oriented and Connectionless services.		Checked Verified A

DEPARTMENT OF COMPUTER APPLICATIONS
Lesson Plan for January 2021 – April 2021

CLASS : III BCA

SUBJECT: DATA AND COMMUNICATION NETWORKING

SUBJECT CODE:SA65A

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks
19.03.2021	1.5hrs	V	Repeaters - Bridges		Checked & Verified HA
26.03.2021	1.5hrs	V	Routers - Gateway		Checked & Verified HA
09.04.2021	1.5hrs		II INTERNAL EXAMINATION		
16.04.2021	1.5hrs	V	Routing algorithms		Checked & Verified HA

DEPARTMENT OF COMPUTER APPLICATIONS

Lesson Plan for January 2021 – April 2021

CLASS : III BCA

SUBJECT : DATA AND COMMUNICATION NETWORKING

SUBJECT CODE:SA65A

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks
23.04.2021	1.5hrs	V	TCP/IP Network, Transport and Application Layers of TCP/IP - World Wide Web.	Test	Checked & Verified A
30.04.2021	1.5hrs	V	Transport and Application Layers of TCP/IP - World Wide Web.	Assignment	Checked & Verified A
07.05.2021	1.5hrs		MODEL EXAMINATION		
14.05.2021	1.5hrs		REVISION		

Name and Signature of the Staff: M. GIRACE



Signature of the HOD:



DEPARTMENT OF COMPUTER APPLICATIONS

Lesson Plan for January 2021 – April 2021

CLASS : II BCA

SUBJECT : OPERATING SYSTEMS

SUBJECT CODE:SAZ4B

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks
19.01.2021	3 hrs	I	Introduction: Views- Goals - Types of System- OS Structure - Components - Services - System Structure - Layered Approach –		checked & Verified ★
02.02.2021	3 hrs	I	Virtual Machines - System Design and Implementation. Process Management: Process - Process Scheduling - Cooperating Process –	Test	checked & Verified ★
09.02.2021	3 hrs	I	Treads - Inter-process Communication. CPU Scheduling: CPU Schedulers - Scheduling Criteria - Scheduling Algorithms	Assignment	checked & Verified ★
16.02.2020	3 hrs	II	Process Synchronization: Critical-Section Problem - Synchronization Hardware - Semaphores Classical Problems of Synchronization -	Test	checked & Verified ★

DEPARTMENT OF COMPUTER APPLICATIONS

Lesson Plan for January 2021 – April 2021

CLASS : II BCA

SUBJECT : OPERATING SYSTEMS

SUBJECT CODE:SAZ3A

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks
23.02.2020	3 hrs	II	Critical Region - Monitors. Deadlocks: Characterization- Methods for Handling Deadlocks - Deadlock Prevention - Avoidance - Detection - Recovery.	Assignment	checked & Verified ★
02.03.2021	3 hrs		I INTERNAL EXAMINATION		
09.03.2021	3 hrs	III	Memory Management: Address Binding - Dynamic Loading and Linking - Overlays - Logical and Physical Address Space - Contiguous Allocation -.	Test	Checked & Verified ★
16.03.2020	3 hrs	III	Internal & External Fragmentation. Non-Contiguous Allocation: Paging and Segmentation Schemes - Implementation - Hardware-Protection - Sharing - Fragmentation	Assignment	checked & Verified ★

DEPARTMENT OF COMPUTER APPLICATIONS

Lesson Plan for January 2021 – April 2021

CLASS : II BCA

SUBJECT: OPERATING SYSTEMS

SUBJECT CODE:SAZ3A

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks
23.03.2021	3 hrs	IV	Virtual Memory: Demand Paging - Page Replacement - Page Replacement Algorithms - Thrashing. File System: File Concepts - Access Methods	Test	checked & verified AS
30.03.2021	3 hrs	IV	- Directory Structures - Protection Consistency Semantics - File System Structures - Allocation Methods - Free Space Management.	Assignment	checked & verified AS
06.04.2021			II INTERNAL EXAMINATION		
20.04.2021	3 hrs	V	I/O System: Overview - I/O Hardware - Application I/O Interface - Kernel I/O Subsystem - Transforming I/O Requests to Hardware Operations - Performance.	Test	checked & verified AS

DEPARTMENT OF COMPUTER APPLICATIONS

Lesson Plan for January 2021 – April 2021

CLASS : II BCA

SUBJECT : PROGRAMMING IN C++ & DATA STRUCTURES → OS

SUBJECT CODE:SAZ3A

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks
27.04.2021	3 hrs	V	Secondary Storage Structures: Protection - Goals - Domain - Access matrix - The Security Problem - Authentication - Threats - Threat Monitoring - Eyncrption.	Assignment	Checked & Verified AS
03.05..2021	3 hrs		Model Examination		
10.05.2021	3 hrs		REVISION		

Name and Signature of the Staff: M. GRACE



Signature of the HOD:



DEPARTMENT OF COMPUTER APPLICATIONS
Lesson Plan for January 2021 – April 2021

CLASS : I BCA

SUBJECT : C++ PROGRAMMING LAB

SUBJECT CODE: SU221

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks
26.03.2021	1.5		Program to demonstrate function overloading, Default Arguments and Inline function		Checked & Verified
05.03.2021	1.5		Program to demonstrate Class and Objects		Checked & Verified
12.03.2021	1.5		Program to demonstrate the concept of Passing Objects to Functions		Checked & Verified
19.03.2021	1.5		program to demonstrate the Friend Functions		Checked & Verified

Name and Signature of the Staff: M. GIRACE



Signature of the HOD:



SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

Subject: Data communication and networking

Subject code: SAZ6B

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Jan Week1	1.5	2	Introduction to Data communication Parallel and serial transmission		Completed	Checked & Verified 
Week2	1.5	2	Guided media, Unguided media		Completed	Checked & Verified 
Week3	1.5	2	Types of error, Error detection and error correction		Completed	Checked & Verified 
Week4	1.5	2	DTE/DCE, Modems	Test	Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

Subject: Data communication and networking

Subject code: SAZ6B

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Feb Week1	1.5	2	EIA 232,530			Checked x Verified H
Week2	1.5	3	x.21 interface, performance			Checked x Verified H
Week3	1.5	4	I Internal Assessment			Checked x Verified H
Week4	1.5	4	History of analog and digital network- ISDN	Test		checked x Verified H

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

Subject: Data communication and networking

Subject code: SAZ6B

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
March Week1	1.5	4	Broadband ISDN, X.25 layers Frame layer ,			checked x Verified ↓
Week2	1.5	4	Packet layer, PLP packets	Test		checked x Verified ↓
Week3	1.5	4	ATM topology, Cell networks, ATM architecture			checked x Verified ↓
Week4	1.5		Revision- unit 2			checked x Verified ↓

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

Subject: Data communication and networking

Subject code: SAZ6B

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Apr Week1	1.5		II Internal Assessment			
Week2	1.5		Revision- unit 4	Test		
Week3	1.5		Revision			
Week4	1.5		Model Examination			

Signature of the Staff: Ashita

HOD Sign: [Signature]

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

Subject: E-commerce

Subject code: SEZ6B

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Jan Week1	3	1	Electronic commerce and opportunities- Electronic commerce environment Electronic marketplace technologies		Completed	Checked & Verified 
Week2	3	1	Mode of electronic commerce,		Completed	Checked & Verified 
Week3	3	1	Electronic data interchange		Completed	Checked & Verified 
Week4	3	2	Approaches to safe electronic commerce	Test	Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

Subject: E-commerce

Subject code: SEZ6B

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Feb Week1	3	2	Secure transport protocols		Completed	Checked & Verified
Week2	3	2	Secure transaction		Completed	Checked & Verified
Week3	3	2	I Internal assessment		Completed	Checked & Verified
Week4	3	4	Secure electronic payment protocol- Secure electronic transaction		Completed	Checked & Verified

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

Subject: E-commerce

Subject code: SEZ6B

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
March Week1	3	3	Certificates for authentication-Security on web servers-Payment schemes Internet monetary payment and security requirements Payment and purchase order process- online electronic cash		Completed	Checked & Verified 
Week2	3	4	Internet/Intranet security issues and solutions-The need for computer security-Specific intruder approaches	Assignment	Completed	Checked & Verified 
Week3	3	4	Security strategies- Security tools, Encryption, Enterprise networking and access to the Internet, Antivirus programs, Security teams		Completed	Checked & Verified 
Week4	3		Master card/ visa card secure electronic transaction, Business requirements, payment processing		Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

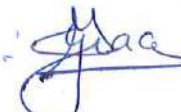
Subject: E-commerce

Subject code: SEZ6B

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Apr Week1	3	5	II Internal assessment		Completed	Checked & Verified 
Week2	3	5	Email and secure email technologies for electronic commerce- The means of distribution, a model for message handling, MIME, S/MIME, MIME and related facilities for EDI over the Internet		Completed	Checked & Verified 
Week3	3		Revision- Unit 5		Completed	Checked & Verified 
Week4	3		Model examination		Completed	Checked & Verified 

Signature of the Staff: 

HOD Sign: 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

Subject: Web applications lab

Subject code: SAZ61

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Jan Week1	1.5		Introduction to HTML, Student database		Completed	Checked & Verified 
Week2	1.5		Employee payroll		Completed	Checked & Verified 
Week3	1.5		College information		Completed	Checked & Verified 
Week4	1.5		Resume preparation		Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

Subject: Web applications lab

Subject code: SAZ61

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Feb Week1	1.5		Link button		Completed	Checked & Verified
Week2	1.5		Hyperlink		Completed	Checked & Verified
Week3	1.5		I Internal assessment		Completed	Checked & Verified
Week4	1.5		Login control		Completed	Checked & Verified

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

Subject: Web applications lab

Subject code: SAZ61

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Mar Week1	1.5		Revision		Completed	Checked & Verified 
Week2	1.5		Revision		Completed	Checked & Verified 
Week3	1.5		Revision		Completed	Checked & Verified 
Week4	1.5		II Internal Assessment		Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III


Subject: Web applications lab

Subject code: SAZ61

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Apr Week1	1.5		Revision		Completed	Checked & Verified ★
Week2	1.5		Revision		Completed	Checked & Verified ★
Week3	1.5		Model Examination		Completed	Checked & Verified ★
Week4	1.5		Revision		Completed	Checked & Verified ★

Signature of the staff: C.T. Ashita

HOD Sign: 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

Subject: Java lab

Subject code: SAZ41

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Jan Week3	1.5		Greatest of three numbers, Fahrenheit to Celsius, Armstrong number,		Completed	Checked & Verified
Week4	1.5		Simple & compound interest ,Area and perimeter		Completed	Checked & Verified

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

Subject: Java lab

Subject code: SAZ41

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Feb Week1	1.5		Factorial number		Completed	Checked & Verified 
Week2	1.5		Quadratic equation		Completed	Checked & Verified 
Week3	1.5		Fibonacci series, Floyd's triangle Leap year, Prime number, Replace the substring		Completed	Checked & Verified 
Week4	1.5		I Internal Assessment		Completed	Checked & Verified 

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

DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

Subject: Java lab

Subject code: SAZ41

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Mar Week1	1.5		Removal of substring, String manipulation		Completed	Checked & Verified 
Week2	1.5		Usage of vector class, Palindrome		Completed	Checked & Verified 
Week3	1.5		Generation of random numbers, constructor overloading Exception handling		Completed	Checked & Verified 
Week4	1.5		II Internal Assessment		Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

Subject: Java lab

Subject code: SAZ41

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Apr Week1	1.5		Applets-Shapes, Font animation,		Completed	Checked & Verified
Week2	1.5		Human Face, Cone, Cylinder & Cube Button control, Calculator		Completed	Checked & Verified
Week3	1.5		Medel Examination		Completed	Checked & Verified
Week4	1.5		Menus & Dialogs, Frames & controls		Completed	Checked & Verified

Signature of the Staff: M. L. L.

HOD Sign: J. A. A.

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

Subject: Computing skills Lab

Subject code: PSSSED

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Jan Week1	1		MS word-Header and Footer, Edit commands, Paragraph, Borders and shading		Completed	Checked & Verified 
Week2	1		Bullets and numbering, Tables		Completed	Checked & Verified 
Week3	1		Templates , Mail merge		Completed	Checked & Verified 
Week4	1		MS Excel- Conditional formatting, Chart		Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

Subject: Computing skills Lab

Subject code: PSSD

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Feb Week1	1		Formula- Sum, Max, Min, Average		Completed	Checked & Verified 
Week2	1		Sorting		Completed	Checked & Verified 
Week3	1		Fill series , Picture insertion		Completed	Checked & Verified 
Week4	1		I Internal Assessment		Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III

Subject: Computing skills Lab

Subject code: PSSED

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Mar Week1	1		MS Powerpoint- Slide show with animation		Completed	Checked & Verified 
Week2	1		Presentation with various slides		Completed	Checked & Verified 
Week3	1		MS Access- Table creation, Queries and reports		Completed	Checked & Verified 
Week4	1		II Internal Assessment		Completed	Checked & Verified 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99





DEPARTMENT OF COMPUTER APPLICATIONS JANUARY 2021 – APRIL 2021

Year: I/II/III


Subject: Computing skills Lab

Subject code: PSSD

Subject i/c: C T Ashita

Week	No. of Hours	Unit/ Chapter	Topics to be handled	Test/ Assign. / Seminar	Remarks (Subject i/c)	Review (HOD)
Apr Week1	1		Revision		Completed	Checked & Verified 
Week2	1		Revision		Completed	Checked & Verified 
Week3	1		Model Examination		Completed	Checked & Verified 
Week4	1		Revision		Completed	Checked & Verified 

Staff Signatures: 

HOD Sign: 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN

DEPARTMENT OF INFORMATION SYSTEM MANAGEMENT

LESSON PLAN

EVEN SEMESTER

ONLINE SESSION

2020-2021

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN
DEPARTMENT OF INFORMATION SYSTEM MANAGEMENT YEAR
FEBRUARY 2021- JUNE 2021



YEAR: I.B.COM(ISM)



SUBJECT: BUSINESS ENVIRONMENT


SUBJECT IN-CHARGE: Mrs.G.VIJAYA GIRIJA -HOD

SEMESTER: IV

CODE: MAT4C

Date/ Week	No. of Hours	Units	Topic Covered	Test/Seminar/ Assignment	Remarks	Review HOD
			Objectives:			
4/1	3	I	❖ Business Environment: Introduction.	Assignment	Portion Completed	
			❖ Dimension of Business Environment.			
			❖ Political, Cultural, Social, Legal Demographic Government, Technological & Natural Environment.	Test		
			❖ Environmental Analysis.			
11/1	3		❖ Importance of Business Environment.			
			❖ ETOP & Forecasting Techniques.			
			❖ Approaches of Business Environment.			
18/1	3	II	❖ Organizational Analysis	Assignment	Portion Completed	
			❖ Need of Organizational Analysis	Test		
			❖ Approaches – SAP, SWOT Analysis.			
25/1	3		❖ I Internal Examination Revision			

Date/ Week	No. of Hours	Units	Topic Covered	Test/Seminar/ Assignment	Remarks	Review HOD
1/2	3	III	❖ Global Environment.	Test Assignment Seminar	Portion Completed	
			❖ Globalization-Rationale.			
8/2	3		❖ Significance of globalization.			
			❖ Strategies for globalization.			
15/2	3		❖ Multi -National Companies MNC.			
			❖ Foreign trade investments in India.			
22/2	3	IV	❖ Economic and Business Environment.	Test Assignment Seminar	Portion Completed	
			❖ Agreement and current issues.			
1/3	3		❖ WTO, TRIMS & TRIPS.			
8/3	3		❖ IPRs Concepts.			
			❖ Features of IPRs.			
15/3	3		❖ Requisite for registration of Intellectual Property.			
			❖ Implication in India.			
22/3	3		❖ Financial Environment – Commercial Banks.			
			❖ Financial Environment –Financial Institutions			
29/3	3		❖ Stock exchange -IDBI -NBFCs			
5/4	3		❖ II Internal Examination Revision			

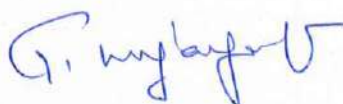
Date/ Week	No. of Hours	Units	Topic Covered	Test/Seminar/ Assignment	Remarks	Review HOD
12/4	3	V	❖ Social Environment.	Test Assignment Seminar	Portion Completed	
19/4	3		❖ Business & Society.			
24/4	3		❖ Corporate Social Responsibility.			
			❖ Corporate Governance.			
10/5	3		❖ Ethical issues in Business.			
15/5	3		❖ Revision (unitwise)			

to
5/6

BIBLIOGRAPHY

S.NO	AUTHOR	TEXT BOOK FOR REFERENCE	PUBLICATION
1.	FRANCIS CHERUNILAM	BUSINESS ENVIRONMENT	HIMALAYA PUBLISHING HOUSE
2.	K.ASWATHAPPA	ESSENTIALS OF BUSINESS MANAGEMENT	HIMALAYA PUBLISHING HOUSE
3.	SANKARAN	BUSINESS ENVIRONMENT	MARGHAM PUBLICATIONS

SIGNATURE OF SUBJECT IN-CHARGE:



Mrs.G.VijayaGirija
Assistant Professor
Department Head B.Com(ISM)

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN
DEPARTMENT OF INFORMATION SYSTEM MANAGEMENT YEAR
FEBRUARY 2021- JUNE 2021

YEAR: III.B.COM(ISM)







SUBJECT: PROJECT

SUBJECT IN-CHARGE: Mrs.G.VIJAYA GIRIJA -HOD

SEMESTER: VI

CODE: MAT6Q

Date/ Week	No. of Hours	Units	Topic Covered	Test/Seminar/ Assignment	Remarks	Review HOD
			Objective: To develop the student's ability to work with his /her peers building teamwork and group skills.			
7/1	3	I	❖ Topic Selection	Submission for correction chapter -I		
12/1	3		❖ Scope of study			
			❖ Objectives of the study			
21/1	3		❖ Importance of study			
			❖ Research Methodology			
			❖ Limitations of the study			
			❖ Arrangement of chapters			
4/2	3	II	❖ Review of Literature:	Submission for correction chapter -II		
			❖ Topic -Theoretical view			
11/2	3		❖ Profile of the organization			

Date/ Week	No. of Hours	Units	Topic Covered	Test/Seminar/ Assignment	Remarks	Review HOD
18/2	3	III	❖ Analysis of Result -I	Submission for correction chapter -III		
25/2	3					
4/3	3	IV	❖ Analysis of Result -II	Submission for correction chapter -IV		
11/3	3					
			❖			
18/3	3	V	❖ Summary & Conclusions	Submission for correction chapter -V		
			❖ Summary of the study			
			❖ Finding of the study			
			❖ Bibliography			
			❖ Appendix			
			❖ Questionnaire			
25/3	3		❖ Presentation of project in the department -PPT			
			❖ Finally, students submit the project for Viva Voce			

BIBLIOGRAPHY

S.NO	AUTHOR	TEXT BOOK FOR REFERENCE	PUBLICATION
1.	KOTHARI	RESEARCH METHODOLOGY	MARGHAM PUBLICATION
2.	S.P. GUPTA	BUSINESS STATISTICS	SULTAN CHAND & SONS
3.	C.B. GUPTA	HUMAN RESOURCE MANAGEMENT	SULTAN CHAND & SONS

SIGNATURE OF SUBJECT IN-CHARGE:



Mrs.G.VijayaGirija
Assistant Professor
Department Head B.Com(ISM)

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN
DEPARTMENT OF INFORMATION SYSTEM MANAGEMENT
EVEN SEMESTER: 2020-2021 - ONLINE SESSION

SUBJECT: OOPS WITH C++
YEAR: II B.Com [ISM]

CODE: MAT4B
SUBJECT INCHARGE: Ms. K. NIRMALADEVI

Date /Week	No. Of Hours	Unit/ Chapter	Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
		Unit I	Objectives: To make the students to understand the concepts of object oriented programming language.		
			Principles of object oriented programming		
			Object oriented paradigm		
			Advantages		
27/01/2021	3 Hours	Unit I	Oops concepts		
			OOPs language		
			Models		
			State model and Interaction model		
			Difference between oops and c++	Test	Portion Completed
			Input stream function		
			Output stream function		
			Programs		

Date /Week	No. Of Hours	Unit/ Chapter	Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
03/02/2021	3 Hours	Unit I	Diagram		
			Simple program	Assignment	
			Flow chart		
			Example programs		
10/02/2021	3 Hours	Unit –II	Objectives: To make the students to understand the concepts of C++ Tokens, keywords, identifiers, variables, operators, Manipulators, expressions and control structures.		
17/02/2021	3 Hours	Unit –II	Introduction to C++ tokens		
			Keywords		
			Identifiers	Test	Portran completed
			Variables		
			Operators		
			Manipulators		
23/02/2021	3 Hours	Unit –II	Expressions		
			Control structures.		
			Simple programs		
			Conditions used	Assignment	

Date /Week	No. Of Hours	Unit/ Chapter	Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
24/02/2021	3 Hours	Unit –III	Objectives: To make the students to understand the concept of Functions in object oriented language.		
			Functions		
			Main functions		
			Function prototyping		
			Inline functions		
03/03/2021	3 Hours	Unit –III	Friend function		
			Virtual function		
			Parameters passing in functions		
			Values return by functions	Assignment	Portran completed ✓
10/03/2021	3 Hours	Unit - IV	Objectives: To make the students to understand the concept of Classes and objects, constructors and destructors, operator overloading and type conversion.		
			Classes and objects		
			Constructors		Completed ✓
	3 Hours	Unit - IV	Destructors	Test	✓
			Operator overloading		

✓

Date /Week	No. Of Hours	Unit/ Chapter	Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
24/03/2021	3 Hours	Unit - IV	Type conversion		
			Type of constructors		
			Function overloading		
31/03/2021	3 Hours	Unit - IV	Function points		
			Function calling	Assignment	Portion completed
			Main function		
			Called function		✓
			Calling function		
03/04/2021	3 Hours	Unit - V	Objectives:		
			To make the students to understand the concept of Inheritance.		
			Introduction		
			Inheritance types		
21/4/2021	3 Hours	Unit - V	Single inheritance		
			Multilevel inheritance		Portion completed
			Multiple inheritance		
			Hierarchical inheritance	Test	✓
			Hybrid inheritance		
			Example programs		

Date /Week	No. Of Hours	Unit/ Chapter	Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
27/04/2021	3 Hours	Unit - V	Virtual function		
			Polymorphism		Portion
			Types of Polymorphism		Completed
			Polymorphism function	Assignment	
			Managing console input and output operations		✓
			Streams		

✓

BIBLIOGRAPHY

S.NO.	TITLE OF THE BOOK	AUTHOR NAME	PUBLICATION NAME
1.	OBJECT ORIENTED PROGRAMMING WITH C++	E.BALAGURUSAMY	TATA MCGRAW HILL PUBLICATION
2.	C++ THE COMPLETE REFERENCE	H.SCHILDT	T.M.H
3.	www.cplustutorials.ac.in		
4.	www.cbasicprograms.ac.in		

NAME OF THE STAFF : K. NIRMALADEVI

SIGNATURE OF THE STAFF

: 

SIGNATURE OF THE H.O.D

: 

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN
DEPARTMENT OF INFORMATION SYSTEM MANAGEMENT
EVEN SEMESTER: 2020-2021 - ONLINE SESSION

SUBJECT: C++ PRACTICAL
YEAR: II B.Com [ISM]

CODE: MAT41
SUBJECT INCHARGE: Ms. K. NIRMALADEVI

Date /Week	No. Of Hours	Unit/ Chapter	Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
29/01/2021	2 Hours	Ex:No:1	Objectives: To make the students to understand the concepts of C++ Programs.		
			Introduction		
			Simple C++ program		
05/02/2021	2 Hours	Ex:No:1	Factorial program		
			Fibonacci series	Test	
			Sum and average		
12/02/2021	2 Hours	Ex:No:2	C++ programs for sorting an array of numbers alphabets using arrays.		
			Introduction		
			Simple programs		
			Array deceleration		
			Array concept		

Portion Completed

✓

4

Date /Week	No. Of Hours	Unit/ Chapter	Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
19/02/2021	2 Hours	Ex:No:3	C++ program for sorting an array of numbers/alphabets using arrays		
			Types of soeting		
26/02/2021	2 Hours	Ex:No:4	Implementation of Function overloading		Portion Completed
			Introduction		
			Simple function program		
			How to use functions in program		✓
05/03/2021	2 Hours	Ex:No:5	Program for the implementation of operator overloading	Test	
			Introduction		
			Unary operator		
			Increment operator		
					Portion Completed
12/03/2021	2 Hours	Ex:No:6	Implementation of Friend function operations		
			What is friend function		
			Where to use function		✓
			Methods		

4

Date /Week	No. Of Hours	Unit/ Chapter	Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
19/03/2021	2 Hours	Ex:No:7	Implementation of Classes and objects		
			Introduction		
			Classes and object concept		
			How to call class funtion		
26/03/2021	2 Hours	Ex:No:8	Implementation of objects in C++		
			Introduction		
			What is object		
			How to declare object	Test	Portion Completed
			How to call object		✓
			How to use object in the program		
02/04/2021	2 Hours	Ex:No:9	Implementation of Concepts of inheritance		
			Introduction		
			Types of inheritance		
			How to use inheritance concepts		
			Parent class		
			Child class		

Date /Week	No. Of Hours	Unit/ Chapter	Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
09/04/2021	2 Hours	Ex:No:10	Implementation of constructor and destructor		
			Introduction		
			What is constructor and destructor		
			How to initialize memory		
16/04/2021	2 Hours	Ex:No:11	Implementation of Function overloading		Portion completed
			Introduction		
			Function declaration		
			Function definition	Test	
			Function call		
			Function pointers		
23/04/2021	2 Hours	Ex:No:12	Implementation of virtual functions		
			Introduction		
			What is virtual function		
			How to call		
			Where to use virtual functions		
			Usage of virtual functions		

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BIBLIOGRAPHY

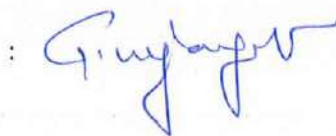
S.NO.	TITLE OF THE BOOK	AUTHOR NAME	PUBLICATION NAME
1.	OBJECT ORIENTED PROGRAMMING WITH C++	E.BALAGURUSAMY	TATA MCGRAW HILL PUBLICATION
2.	C++ THE COMPLETE REFERENCE	H.SCHILDT	T.M.H
3.	www.cplustutorials.ac.in		
4.	www.cbasicprograms.ac.in		

NAME OF THE STAFF : K. NIRMALADEVI

SIGNATURE OF THE STAFF :



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SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN
DEPARTMENT OF INFORMATION SYSTEM MANAGEMENT
EVEN SEMESTER: 2020-2021 - ONLINE SESSION

SUBJECT: SOFTWARE PROJECT MANAGEMENT
YEAR: III B.Com [ISM]

CODE: MAT6C
SUBJECT INCHARGE: Ms. K. NIRMALADEVI

Date /Week	No. Of Hours	Unit/ Chapter	Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
		Unit V	Objectives: To make the students to understand the concepts of Software Project management, how the project development and how the SPM used to develop the various projects.		
23/3/2020	1Hour	Unit V	Software quality assurance (SQA)		
			Introduction		
			Development		
			Research analysis		
			Baseline system		
			Prototype		
			Testing	Assignment	
			Planning		
			Support deliver		

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Date /Week	No. Of Hours	Unit/ Chapter	Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
30/3/2020	1 Hour	Unit V	Software quality and software assurance		
			Software reviews		
			types		
5/4/2020	1 Hour	Unit V	Formal technical reviews	Test	✓
			Planning		
			Kick-off		
			Preparation		
			Review meeting		
8/4/2020	1 Hour	Unit V	Software quality		Portion completed
			Reliability		
			Testability	Assignment	✓
			Usability		
			Efficiency		
			Flexibility		
			portability		
20/4/2020	1 Hour	Unit V	Formal approached to SQA		Portion completed
			Software reliability		
			A software quality assurance approach.	Test	✓

4

BIBLIOGRAPHY

S.NO.	TITLE OF THE BOOK	AUTHOR NAME	PUBLICATION NAME
1.	MANAGING SOFTWARE DEVELOPMENT PROJECT FOR SUCCESS	NEIL WHITTEN	JOHN WILEY AND SONS
2.	SOFTWARE ENGINEERING	ROGER S PRESSMAN	MCGRAW HILL
3.	MANAGING SOFTWARE PROCESS	WATTS HUMPREY	ADDISON WESLEY
4.	www.softwareprojectmanagement.ac.in		

NAME OF THE STAFF

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29

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN
DEPARTMENT OF INFORMATION SYSTEM MANAGEMENT
EVEN SEMESTER: 2020-2021 - ONLINE SESSION

SUBJECT: WEB TECHNOLOGY PRACTICAL
YEAR: III B.Com [ISM]

CODE: MAT61
SUBJECT INCHARGE: Ms. K. NIRMALADEVI

Date /Week	No. Of Hours	Unit/ Chapter	Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
	1 Hour	Ex:No:1	Objectives: To make the students to understand the concepts of web technology and Hyper Text Markup Language and scripting language.		
29/1/2021			Introduction		
			Create a simple page introducing you, how old you are, what you do, what you like and dislike		
			Bullet list, numbered list and link creation		
5/2/2021	1 Hour	Ex:No:2	Implementation of existing image on a web page.		Portion
			Create a table, use a heading and at least one use of row span and column span, colour page and some text with a page, link to another site.		Completed
					✓
					4

Date /Week	No. Of Hours	Unit/ Chapter		Test / Assignment Seminar	Remarks Subject In-Charge
12/2/2021	1 Hour	Ex:No:3	Implementation of new file and index using html		
			Html document structure tags in the file		
			Create a bottom tags		
			Implementation of horizontal rule		
			Link to mail address	Test	Portran completed
			Using the line break		
			Using the date pattern		✓
			Using the heading tags		
19/2/2021	1 Hour	Ex:No:4	Write a script to create an array of 10 elements and display it contents		
			Introduction		
			Array declaration		
			Array pointers		
			Simple programs		
26/2/2021	1 Hour	Ex:No:5	Program for the implementation of using function		Portran completed
			Using function in javascript		
			String concepts		
			Character by character concept	Test	✓
			String methods		
			String programs		
			String functions		
			Character reading		

✓

Date /Week	No. Of Hours	Unit/ Chapter		Test / Assignment Seminar	Remarks Subject In-Charge
5/3/2021	1 Hour	Ex:No:6	Create a simple calculator using fields		
			Have two fields for number entry and one field for the result		
			Allow the user to be able to use to use plus, minus, multiply and divide.		
			Operators		
12/3/2021	1 Hour	Ex:No:7	Create a document and add a link to it.		
			When the user moves the mouse over the link		Portran
			Load the linked document on its own		Completed
			User is not required to click the link		
			External link		✓
			Internal link		
			Save link		
19/3/2021	1 Hour	Ex:No:8	Create a document,.		
			which opens a window without a toolbar,		
			address bar or a status bar that unloads itself after one minute	Test	Portran
			Document methods		Completed
			Window display		✓
			Arrangements		
			Alignment		

Date /Week	No. Of Hours	Unit/ Chapter		Test / Assignment Seminar	Remarks Subject In-Charge
26/3/2021	1 Hour	Ex:No:9	Implementation and design a web page with validation using JavaScript		
			Introduction		
			What is script		
			How to design		
			Tag used		
			Web page usage		
2/4/2021	1 Hour	Ex:No:10	Implementation of add a cascading style sheet for designing the web page.		
			Changing color		
			Changing style		
			Changing font	Test	
			Sound effect		
			Text design		

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BIBLIOGRAPHY

S.NO.	TITLE OF THE BOOK	AUTHOR NAME	PUBLICATION NAME
1.	WEB TECHNOLOGIES	JEFFREY C.JACKSON	PEARSON EDUCATION
2.	COMPLETE REFERENCE HTML	T.A. POWELL	TMH
3.	MASTERING JAVASCRIPT	J.JAWORSKI	BPB PUBLICATIONS
4.	www.webtechnologyfulltutorial.ac.in		


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SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN
DEPARTMENT OF INFORMATION SYSTEM MANAGEMENT
EVEN SEMESTER: 2020-2021 - ONLINE SESSION

SUBJECT: PROJECT
YEAR: III B.Com [ISM]

CODE: MAT6Q
SUBJECT INCHARGE: Ms. K. NIRMALADEVI

Date /Week	No. Of Hours	Unit/ Chapter	Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
07/01/2021	1 Hour	CHAPTER 1	Objectives: To make the students to understand the concepts Project work and the basic steps to do the research work in future.		
			Introduction		
			Basic concepts of project		
21/01/2021	1 Hour	CHAPTER 2	Review of literature		
			Introduction		
			Motivation of work		
			Provide background context for the readers		
			Compare the findings with other		
			Justify experimental methods		
			Frame a research gap		

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Date /Week	No. Of Hours	Unit/ Chapter	Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
04/02/2021	1 Hour	CHAPTER 3	Data analysis and interpretation - I		
			Introduction		
			Methods		
			Calculation		
			Choose the analysis option		
11/02/2021	1 Hour	CHAPTER 4	Data analysis and interpretation - II		
			Using formulas		
			Charts		
18/02/2021	1 Hour		Findings		
			Suggestions		
25/02/2021	1 Hour		Conclusion		
			Bibliography		
			Annexures		

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Date /Week	No. Of Hours		Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
04/03/2021	1 Hour		Front page preparation		
			Bonofide page preparation		
11/03/2021	1 Hour		Declaration		Portion Completed
			Index page		
18/03/2021	2 Hour		Record correction		✓
25/03/2021	1 Hour		Record submission		

BIBLIOGRAPHY

S.NO.	TITLE OF THE BOOK	AUTHOR NAME	PUBLICATION NAME
1.	PROJECT MANAGEMENT	HAROLD KERZNER	UIL INTERNATIONAL PUBLICATION
2.	PROJECT MANAGEMENT BEGINNERS GIDE	GREGORY HORINE	PERSON PUBLICATION
3.	www.projectguidebook.ac.in		
4.	www.researchwork.ac.in		

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SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN
DEPARTMENT OF INFORMATION SYSTEM MANAGEMENT
EVEN SEMESTER: 2020-2021 - ONLINE SESSION

SUBJECT: Basics of Retail Marketing (NME)
YEAR: I BBA

CODE: MNM1B
SUBJECT INCHARGE: Ms. K. NIRMALADEVI

Date /Week	No. Of Hours	Unit/ Chapter	Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
06/03/2021	2 Hours	Unit I	Objectives: To make the students to understand the concept of Retail marketing, branding and labeling in retail trade.		
13/03/2021	2 Hours	Unit I	Introduction		
			Definition		
			Advantages		
20/03/2021	2 Hours	Unit I	Uses of Retail marketing		
			Retail marketing		
			Growth of organized retailing in india	Assignment	Portion Completed
			Importance of retailing		

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Date /Week	No. Of Hours	Unit/ Chapter	Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
27/03/2021	2 Hours	Unit II	Objectives: To make the students to understand the concept of functions of retailing and types.		
			Introduction		
			Definition		
			Implementation of retailing		
10/04/2021	2 Hours	Unit II	Functions of retailing		
			Characteristics of retailing	Assignment	
17/04/2021	2 Hours	Unit II	Types of retailing		
			Store retailing		
			Non store retailing		
29/04/2021	2 Hours	Unit III	Objectives : To make the students to understand the concept of Communication tools used in retailing, sales promotion, tailing and window display.		Portion completed
			Introduction		
			Definition of retail location factors	Test	
			Retail location factors		
			Marketing status		
			International market		

Date /Week	No. Of Hours	Unit/ Chapter	Topic Covered	Test / Assignment Seminar	Remarks Subject In-Charge
01/05/2021	2 Hours	Unit III	Branding in retailing		
			Private labeling		
			Franchising concept	Assignment	
08/05/2021	2 Hours	Unit IV	Objectives : To make the students to understand the concept of Communication tools used in retailing, sales promotion, tailing and window display.		
			Introduction		
			Definition		
			Communication tools used in retailing	Test	
15/05/2021	2 Hours	Unit IV	Sales promotion		
			e-tailing	Assignment	
			Window display		
22/05/2021	2 Hours	Unit V	Objectives: To make the students to understand the concept of supply chain management, importance, role of information technology in retailing.		
			Introduction		
29/05/2021	2 Hours	Unit V	Supply chain management		
			Definition		
			Importance		
			Role of information technology in retailing	Assignment	


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42

BIBLIOGRAPHY

S.NO.	TITLE OF THE BOOK	AUTHOR NAME	PUBLICATION NAME
1.	INTRODUCTION TO RETAILING	P.K. MADHAVAN	VIJAY NICOLE IMPRINTS LIMITED
2.	SUPPLY CHAIN MANAGEMENT	JPHAN J. COYLE	CENGAGE
3.	RETAIL MARKETING	SUJA NAIR	HIMALAYA PUBLISHING HOUSE
4.	www.retailmarketingfulltutorials.ac.in		

NAME OF THE STAFF : K. NIRMALADEVI

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LESSON PLAN

2021-2022

ODD SEMESTER

DEPARTMENT OF COMPUTER SCIENCE (SHIFT I)

DEPARTMENT OF SOCIAL WORK

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN

**DEPARTMENT OF COMPUTER SCIENCE
(SHIFT -I)**

SUBJECT ALLOCATION

**2021 - 2022
(ODD SEMESTER)**

SIC/BSC-CS/2021-22/ODD/LP/DOC-04

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DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR: I / II / III SUBJECT: VISUAL PROGRAMMING SUBJECT CODE: SEE5A SUBJECT I/C: N.S.KIRUTHIKA

Date	No. of Hours	Unit/Chapter	Topics to be handled	Test/Assign./Seminar	Remarks (Subject i/c)	Review (HOD)
9.8.2021 - 14.8.2021	3	I	Customizing a Form, Writing Simple Programs, Toolbox, Creating Controls	TEST	Completed	NSK
16.8.2021 -19.8.2021	3	I	Name Property, Command Button, Access Keys, Image Controls, Text Boxes, Labels, Message Boxes, Grid		Completed	
23.8.2021- 28.8.2021	3	I	Editing Tools, Variables, Data Types, String, Numbers		Completed	
		II	Displaying Information, Determinate Loops			
31.8.2021 – 4.9.2021	6	II	Indeterminate loops, Conditionals, Built-in functions, Functions and Procedures		Completed	

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DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR: I/ II / III SUBJECT: VISUAL PROGRAMMING SUBJECT CODE: SEE5A SUBJECT I/C: N.S.KIRUTHIKA

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
6.9.2021-11.9.2021	5	III	Lists, Arrays, Sorting & Searching Records			
13.9.2021- 18.9.2021	6	III	Control Arrays, Combo Boxes, Grid Control, Projects with Multiple Forms	TEST	Completed	
20.9.2021- 25.9.2021			I INTERNAL ASSESSMENT			NSR
27.9.2021-1.10.2021	5	III	Do Events & Sub Main, Error Trapping	TEST	Completed	
4.10.2021 - 9.10.2021	6	IV	VB Objects, Dialog Boxes, Common Controls, Menus			

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DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR: I/ II / III SUBJECT: VISUAL PROGRAMMING

SUBJECT CODE: SEE5A

SUBJECT I/C: N.S.KIRUTHIKA

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
11.10.2021-13.10.2021	3	IV	MDI Forms, Testing, Debugging, Optimization, Working with Graphics	TEST		
18.10.2021-23.10.2021	4	V	Monitoring Mouse Activity, File Handling, File System Controls		Completed	
25.10.2021-30.10.2021			II INTERNAL ASSESSMENT			NK
1.11.2021 & 2.11.2021	2	V	File System Objects, COM/OLE		Completed	

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DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR: I/ II / III SUBJECT: VISUAL PROGRAMMING SUBJECT CODE: SEE5A SUBJECT I/C: N.S.KIRUTHIKA

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
15.11.2021- 20.11.2021	4	V	Automation, DLL Servers, OLE Drag & Drop	TEST	Completed	NR
22.11.2021- 26.11.2021	5		2 Marks Revision	TEST		
1.12.2021- 4.12.2021	5		Seminar			
6.12.2021- 11.12.2021	6		Unit Wise Revision			
13.12.2021- 18.12.2021			MODEL EXAMINATION			

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DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2020 – 2022

YEAR: I/ II / III SUBJECT: VISUAL PROGRAMMING

SUBJECT CODE: SEE5A

SUBJECT I/C: N.S.KIRUTHIKA

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./Seminar	Remarks (Subject i/c)	Review (HOD)
20.12.2021- 23.12.2021	4		UNIVERSITY QUESTION PAPER REVISION	ASSIGNMENT	Completed	NR
27.12.2021- 31.12.2021	5		UNIVERSITY QUESTION PAPER REVISION			

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DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR: I/ II / III SUBJECT: JAVA & DATA STRUCTURES SUBJECT CODE: SE23A SUBJECT I/C: N.S.KIRUTHIKA

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
9.8.2021 - 14.8.2021	3	I	History and Evolution of Java, Features of Java, Object-Oriented Concepts, Bytecode, Lexical Issues, Data Types	TEST	Completed	NR
16.8.2021 - 19.8.2021	3	I	Variables, Type Conversion and Casting, Operators, Arithmetic Operators , Bitwise, Relational Operators, Assignment Operator,		Completed	
23.8.2021- 28.8.2021	3	I	The conditional Operator, Operator Precedence, Control Statements, Arrays.		Completed	
31.8.2021 - 4.9.2021	3	II	Classes, Objects		Completed	

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DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR: I/ II / III SUBJECT: JAVA & DATA STRUCTURES SUBJECT CODE: SE23A SUBJECT I/C: N.S.KIRUTHIKA

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
6.9.2021-11.9.2021	3	II	Constructors, Overloading method, Static and fixed methods, Inner Classes		Completed	
13.9.2021-18.9.2021	3	II	String Class, Overriding Methods, Using super, Abstract class, this keyword, finalize() method, Garbage Collection.	TEST	Completed	
20.9.2021-25.9.2021			I INTERNAL ASSESSMENT			NK
27.9.2021-1.10.2021	3	III	Packages, Access Protection, Importing Packages		Completed	
4.10.2021 - 9.10.2021	3	III	Interfaces, Exception Handling, Throw and Throws	TEST		

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DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR: I/ II / III SUBJECT: JAVA & DATA STRUCTURES SUBJECT CODE: SE23A SUBJECT I/C: N.S.KIRUTHIKA

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
11.10.2021-13.10.2021	2	III	The Java Thread Model, Creating a Thread and Multiple Threads Thread Priorities Synchronization	TEST	Completed	MK
18.10.2021-23.10.2021	3	III	Inter thread Communication, Deadlock, Suspending, Resuming and stopping threads, Multithreading, I/O Streams		Completed	
25.10.2021-30.10.2021			II INTERNAL ASSESSMENT			
1.11.2021& 2.11.2021	2	III	File Streams, Applets.	TEST	Completed	

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DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR: I / II / III SUBJECT: JAVA & DATA STRUCTURES SUBJECT CODE: SE23A SUBJECT I/C: N.S.KIRUTHIKA

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./Seminar	Remarks (Subject i/c)	Review (HOD)
15.11.2021-20.11.2021	3		UNIT WISE REVISION	TEST	Completed	NR
22.11.2021-26.11.2021	3		2 MARKS REVISION		Completed	
1.12.2021-4.12.2021	3		SEMINAR			
6.12.2021-11.12.2021	3		UNIVERSITY QUESTION PAPER REVISION	ASSIGNMENT		
13.12.2021-18.12.2021			MODEL EXAMINATION			

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DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR: I/ II / III SUBJECT: JAVA & DATA STRUCTURES SUBJECT CODE: SE23A SUBJECT I/C: N.S.KIRUTHIKA

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
20.12.2021- 23.12.2021	4		UNIVERSITY QUESTION PAPER REVISION			
27.12.2021- 31.12.2021	5		UNIVERSITY QUESTION PAPER REVISION			

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DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022.

YEAR: I/ II / III SUBJECT: PROGRAMMING IN JAVA SUBJECT CODE: TAC5D SUBJECT I/C: N.S.KIRUTHIKA

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
9.8.2021 - 14.8.2021	3	I	Introduction to Java, Features of Java, Basic concepts of Object-Oriented Programming		Completed	
16.8.2021 -19.8.2021	3	I	Java Tokens, Java Statements, Constants, Variables, Data Types, Type Casting, Operators, Arithmetic Operators, Bitwise, Relational Operators, Assignment Operator	TEST	Completed	NR
23.8.2021- 28.8.2021	3	I	The conditional Operator, Operator Precedence, Expressions,			
31.8.2021 – 4.9.2021	4	I	Control Statements: Branching & Looping Statements	TEST	Completed	
6.9.2021-11.9.2021	4	II	Classes, Objects, Methods, Constructors			

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DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR : III B.Sc CS SUBJECT: OPERATING SYSTEM

SUBJECT CODE: SAE5A

SUBJECT I/C: T.S. HELAN MABEL

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
9.08.2021 to 14.08.2021	3	I	Introduction- Views-Goals-Types of System-Main Frame system- Desktop system - Multiprocessor System-Distributed System- Layered Approach –		Completed	NR
16.08.2021 to 19.08.2021	3	I	Virtual Machine- System Design and Implementation - Process Management; Process- Process Scheduling - Co-Operating Process- Thread- Inter process Communication	Test	Completed	NR
23.08.2021 to 28.08.2021	3	I	CPU Scheduling: CPU Schedulers- Scheduling Criteria		Completed	NR
31.08.2021 to 04.09.2021	6	I	Scheduling Algorithm: Non-Preempting Scheduling-FCFS-SJFS- priority Scheduling		Completed	NR
06.09.2021 to 11.09.2021	5	I	Preemptive Scheduling: Round Robin Scheduling-Multilevel queue scheduling-Multilevel feedback queue scheduling	Test	Completed	NR

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI – 99.

DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR : III B.Sc CS SUBJECT: OPERATING SYSTEM

SUBJECT CODE: SAE5A

SUBJECT I/C: T.S. HELAN MABEL

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
13.09.2021 to 18.09.2021	6	II	Process Synchronization: Critical section Problem- Synchronization hardware - Semaphores-Classic Problem of Synchronization	Test	Completed	MS
20.09.2021 to 25.09.2021	3	II	critical region-monitors. Deadlock: Deadlock Characterization- Methods for handling deadlock-prevention, avoidance - Detection of deadlock- Recovery from Deadlock		Completed	MS
			I INTERNAL EXAMINATION			
27.09.2021 to 01.10.2021	5	III	Memory Management: Address Binding, dynamic Loading and linking- Overlays – Logical and Physical address space		Completed	MS
04.10.2021 to 09.10.2021	6	III	Contiguous Allocation-Internal and External fragmentation. Non-Contiguous allocation: Paging and Segmentation Schemes - Implementation-hardware protection-sharing-fragmentation		Completed	MS
11.10.2021 to 13.10.2021	3	IV	Virtual Memory- Demand Paging-Page replacement algorithm – Thrashing - File System: Concept-access method-directory structure – protection- consistency semantics- file system structure allocation method- free space management	Test	Completed	MS

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI – 99.

DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR : III B.Sc CS SUBJECT: OPERATING SYSTEM

SUBJECT CODE: SAE5A

SUBJECT I/C: T.S. HELAN MABEL

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
18.10.2021 to 23.10.2021	2	IV	II INTERNAL EXAMINATION		Completed	NR
25.10.2021 to 30.10.2021	6	V	I/O System: Overview-I/O hardware-application I/O interface—	Test	Completed	NR
01.11.2021 & 02.11.2021	2	V	Kernal I/O Sub System	Assignment	Completed	NR
15.11.2021 to 20.11.2021	3	V	Transforming I/O request to hardware-operations-Secondary		Completed	NR
22.11.2021 to 26.11.2021	5	V	storage Structure: Protection -domain access matrix- threat monitoring - Encryption	Test	Completed	NR

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI – 99.

DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR : III B.Sc CS SUBJECT: OPERATING SYSTEM

SUBJECT CODE: SAE5A

SUBJECT I/C: T.S. HELAN MABEL

Date	No. of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
01.12.2021 to 04.12.2021	4		Unit I Revision		Completed	NR
06.12.2021 to 11.12.2021	6		Unit II & III Revision		Completed	NR
13.12.2021 to 18.12.2021			MODEL EXAMINATION		Completed	NR
20.12.2021 to 23.12.2021	2		SEMINAR		Completed	NR
27.12.2021 to 31.12.2021	3		SEMINAR		Completed	

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI – 99.

DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR : III B.Sc CS SUBJECT: OPERATING SYSTEM

SUBJECT CODE: SAE5A

SUBJECT I/C: T.S. HELAN MABEL

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
03.01.2022 to 08.01.2022	6		Unit IV Revision		Completed	MS
10.01.2022 to 12.01.2022	2		University Question Paper Revision		Completed	MS
17.01.2022 to 22.01.2022			University Examination		Cancel due to Covid	

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI – 99.

DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR :III B.Sc CS

SUBJECT:RDBS LAB SUBJECT CODE: SAE51 SUBJECT I/C: T.S. HELAN MABEL

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
16.08.2021 to 19.08.2021	3		SQL DEMO CLASS		Completed	NR
23.08.2021 to 28.08.2021	3		VISUAL BASIC DEMO CLASS		Completed	NR
31.08.2021 to 04.09.2021	6		MARKSHEET PROCESSING		Completed	NR
06.09.2021 to 11.09.2021	3		STUDENT INFORMATION SYSTEM		Completed	NR
13.09.2021 to 18.09.2021	6		PAY ROLL		Completed	NR
20.09.2021 to 25.09.2021	3		PRINT OUT I INTERNAL		Completed	NR

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI – 99.

DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR : III B.Sc CS SUBJECT:RDBS LAB

SUBJECT CODE: SAE51

SUBJECT I/C:

T.S. HELAN MABEL

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
27.09.2021 to 01.10.2021	6		ELECTRICITY BILL		Completed	NR
04.10.2021 to 09.10.2021	6		LIBRARY		Completed	NR
11.10.2021 to 13.10.2021	6		SAVING BANK ACCOUNT		Completed	NR
18.10.2021 to 23.10.2021	3		PRINT OUT II INTERNAL		Completed	NR
25.10.2021 to 30.10.2021	6		INVOICE		Completed	NR
15.11.2021 to 20.11.2021	6		INVENTORY INCOME TAX		Completed	NR

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI – 99.

DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR : III B.Sc CS SUBJECT:RDBS LAB SUBJECT CODE: SAE51 SUBJECT I/C: T.S. HELAN MABEL

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
22.11.2021 to 26.11.2021	6		TELEPHONE DIRECTORY		Completed	MR
01.12.2021 to 04.12.2021	3		PRINT OUT		Completed	MR
06.12.2021 to 11.12.2021	6		RECORD CORRECTION		Completed	MR
20.12.2021 to 23.12.2021	3		REVISION		Completed	MR
27.12.2021 to 31.12.2021	3		REVISION		Completed	MR
03.01.2022 to 08.01.2022			UNIVERSITYN PRACTICAL EXAM		Completed	MR

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI – 99.

DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR : I.B.Sc CS SUBJECT: PYTHON PROGRAMMING LAB SUBJECT CODE: SE211

SUBJECT I/C: T.S. HELAN MABEL

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
01.11.2021 & 02.11.2021	1		To convert Celsius to Fahrenheit and Fahrenheit to Celsius To find the student total, average and grade		Completed	NR
15.11.2021 & 16.11.2021	1		Program to find area of rectangle, square, circle and triangle Program to generate Fibonacci series		Completed	NR
17.11.2021 to 23.11.2021	2		Factorial using Recursion To count even and odd numbers		Completed	NR
24.11.2021 to 27.11.2021	2		Program to count lowercase and uppercase letters To reverse a given string and check whether the give string is palindrome or not		Completed	NR
29.11.2021 & 30.11.2021	1		To find sum of all items in a dictionary Program to construct the pattern using a nested for loop		Completed	NR

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI – 99.

DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR : I B.Sc CS SUBJECT: PYTHON PROGRAMMING LAB SUBJECT CODE: SE211

SUBJECT I/C: T.S. HELAN MABEL

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
01.12.2021 to 04.12.2021	2		I INTERNAL PRACTICAL To read a file content and copy only the contents at odd lines into a new file		Completed	NSR
06.12.2021 to 11.12.2021	2		Simple program to create turtle window Towers of Hanoi using recursion		Completed	NSR
13.12.2021 to 18.12.2021	2		II INTERNAL PRACTICAL Create a menu driven Python program with a dictionary for words and their meanings.		Completed	NSR
20.12.2021 to 23.12.2021	2		Python program to implement the Hangman Game		Completed	NSR
27.12.2021 to 31.12.2021	2		MODEL PRACTICAL		Completed	NSR

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DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR : I Bio-Chemistry SUBJECT:HTML SUBJECT CODE: SE51C SUBJECT I/C: T.S. HELAN MABEL

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
23.10.2021	1	I	Introduction :Web Basics: What is Internet – Web browsers – What is Web page – HTML Basics: Understanding tags. Tags for Document structure(HTML, Head, Body Tag). Block level text elements: Headings paragraph		Completed	NR
30.10.2021	1	II & III	Font style elements: (bold, italic, font, small, strong, strike, big tags)	Test	Completed	NR
20.11.2021	1	III	Lists: Types of lists: Ordered, Unordered – Nesting Lists – Other tags: Marquee, HR, BR- Using Images – Creating Hyperlinks.		Completed	NR
04.12.2021	1	IV	Tables: Creating basic Table, Table elements, Caption – Table and cell alignment – Rowspan, Colspan – Cell padding.		Completed	NR
11.12.2021	1	V	Frames: Frameset – Targeted Links – No frame – Forms : Input, Textarea, Select, Option. Simple web Programs- Example Creating Bio data		Completed	NR
18.12.2021			Model Examination		Completed	NR

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DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR : II M.Sc Maths SUBJECT: JAVA PROGRAMMING SUBJECT CODE: MFFBD

SUBJECT I/C: T.S. HELAN MABEL

Date	No. of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
14.08.2021	2	I	Overview of Java Language		Completed	NR
21.08.2021	1	I	Java Token		Completed	NR
28.08.2021	1	I	Java Statements	Test	Completed	NR
06.09.2021	1	II	Constants		Completed	NR
08.09.2021	1	II	Variables		Completed	NR
15.09.2021	1	II	Data Types		Completed	NR
20.09.2021	1	I & II	Revision I INTERNAL EXAMINATION	Test	Completed	NR

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI – 99.

DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2020 – 2021

YEAR : II M.Sc Maths SUBJECT: JAVA PROGRAMMING SUBJECT CODE: MFFBD

SUBJECT I/C: T.S. HELAN MABEL

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
22.09.2021		III	Operators		Completed	NR
27.09.2021	2	III	Expression		Completed	NR
04.10.2021	2	IV	Decision Making and Branching Statement Simple if statement		Completed	NR
06.10.2021	2	IV	If else statement, do, do-while statement ,	Assignment	Completed	NR
11.10.2021	2		switch statement with example programs		Completed	NR

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI – 99.

DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR : II M.Sc Maths SUBJECT: JAVA PROGRAMMING SUBJECT CODE: MFFBD

SUBJECT I/C: T.S. HELAN MABEL

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
13.10.2021	1	III & IV	REVISION	Test	Completed	MR
18.10.2021	1		II INTERNAL		Completed	MR
20.10.2021	1	V	Classes – Objects with example programs		Completed	MR
20.10.2021	1	V	Inheritance		Completed	MR
25.10.2021	1	V	Methods – Arrays – Strings with simple example programs		Completed	MR
27.10.2021	1	V	For statements		Completed	MR
11.11.2021	1		2 mark Revision		Completed	MR

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI – 99.

DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2020 – 2021

YEAR : II M.Sc Maths SUBJECT: JAVA PROGRAMMING SUBJECT CODE: MFFBD

SUBJECT I/C: T.S. HELAN MABEL

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
15.11.2021			Revision 5 Mark Question	Test	Completed	NR
17.11.2021			Revision		Completed	NR
22.11.2021			Revision		Completed	NR
24.11.2021			Explain simple programs		Completed	NR
01.12.2021			revision		Completed	NR
06.12.2021			2 mark question test		Completed	NR
08.12.2021			5 mark question test		Completed	NR

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI – 99.

DEPARTMENT OF COMPUTER SCIENCE Lesson plan for Odd Semester 2021 – 2022

YEAR : II M.Sc Maths SUBJECT: JAVA PROGRAMMING SUBJECT CODE: MFFBD

SUBJECT I/C: T.S. HELAN MABEL

Date	No.of Hours	Unit/ Chapter	Topics to be handled	Test/Assign./ Seminar	Remarks (Subject i/c)	Review (HOD)
21.12.2021			Model examination		Completed	NR
27.12.2021	1		University Question Paper Revision		Completed	NR
29.12.2021	1		I unit Revision		Completed	NR
02.01.2022	1		II Unit Revision	test	Completed	NR
05.01.2022	1		III Unit Revision		Completed	NR
10.01.2022	1		IV Unit Revision		Completed	NR
12.01.2022	1		V Unit Revision		Completed	NR

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN



**DEPARTMENT OF SOCIAL WORK
SHIFT – II**

**ODD SEMESTER – LESSON PLAN
2021– 2022**

SIC/MSW/2021-2022/ ODD/LD/DOC-04

DEPARTMENT OF SOCIAL WORK (PG) - SHIFT II

S.NO	CLASS	SUBJECT CODE	SUBJECT	STAFF INCHARGE	PAGE NUMBER
1	I MSW	HBW1A	SOCIAL WORK PROFESSION HISTORY AND PHILOSOPHY	R. DHANALAKSHMI	1
2		HBW1B	WORK WITH INDIVIDUALS	R. DHANALAKSHMI	6
3		HBW1C	WORK WITH GROUPS	R. DHANALAKSHMI	9
4	I MA HRM	PMC1B	ORGANIZATIONAL BEHAVIOR	R. DHANALAKSHMI	13

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29/12/21

[Signature]
L. Dhana

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN






DEPARTMENT OF SOCIAL WORK (PG)







LESSON PLAN - AUGUST 2021 – JANUARY 2022

Staff – In – Charge : Dhanalakshmi
Class : I MSW

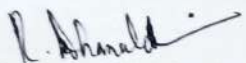
Subject : Social Work Profession – History and Philosophy.
Code : HBWDA

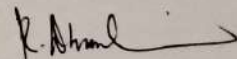
Date/ Week	Hours	UNIT	Topics Covered	Methodology	Remarks	Review (HOD)
25.10.2021 to 30.10.2021	4	I	Unit 1 : Historical Evolution of Social work Introduction – International Perspective of UK, USA and Social Work in India. Social Reformers and social movements – EVR Periyar, Raja Ram Mohan Roy, Ambedkhar, Dalit and Backward Class movements,	PPT	Completed	h
1.11.2021 to 6.11.2021	4	I	Gandhian Ideology and Sarvodaya Movement. Christian Missionaries, Gandhian Social Work, Welfare state and contributions of voluntary organizations	Presentation	Completed	y
8.11.2021 to 13.11.2021	4	II	Unit 2 : Social Work Profession Meaning, Definition, basic concepts, Goals, functions, methods of social work – origin and growth in India. International and national bodies of social work.	RAIN HOLIDAYS Seminar	Completed	h
15.11.2021 to 17.11.2021	2	II	Social Work Education – importance of field work and supervision	Case Study Discussions	Completed	h

Date/ Week	Hours	Unit	Topics Covered	Methodology	Remarks	Review (HOD)
17.11.2021 to 20.11.2021			INTERNAL EXAM – I		Completed	
22.11.2021 to 27.11.2021	4	III	Unit 3 : Social Work Ideologies, Theories and Approaches. Ideologies, Philanthropy, humanitarianism, welfarism, Socialism,	Discussion	Completed	
29.11.2021 to 4.12.2021	4	III	Models: welfare, developmental, empowerment and advocacy models, approaches: remedial, rehabilitative, preventive and promotive approaches, rights based, participatory, indigenous approaches, anti-discriminatory practice.	Debates & Group Discussion	Completed	
06.12.2021 to 11.12.2021	4	IV	Unit 4 : Philosophy of Social Work Profession Values, Beliefs and Principles of the Profession; Code of Ethics: Evolution of Code of Ethics, IFSW & IASSW Ethics in Social Work, Statement of Principles,	PPT	Completed	
13.12.2021	1		Declaration of Ethics for Social Workers (SWEF -1997).		Completed	

Date/ Week	Hours	Unit	Topics Covered	Methodology	Remarks	Review (HOD)
15.12.2021 to 18.12.2021			INTERNAL EXAM – II		Completed	
20.12.2021 to 25.12.2021	4	V	Unit 5 : International Social Work Concept, definition, meaning and need, global issues, basic concepts, principles and assumptions; values, beliefs and goals; practice levels and sectors;	Assignment	Completed	
27.12.2021 to 01.01.2022	4	V	Approaches: personal, social, developmental, global; multicultural, international and transnational practice models; Global Agenda;	Test	Completed	
03.01.2022	1	V	Global Standards; Skills for practice; Dilemmas in practice.		Completed	
04.01.2022 to 07.01.2022			MODEL EXAMINATION			
08.01.2022	1		REVISION	Quiz And Mock exam sessions	Completed	
10.01.2022 To 17.01.2022	3		REVISION		Completed	

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Signature of Subject Incharge:


Signature of HOD





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




DEPARTMENT OF SOCIAL WORK (PG)







LESSON PLAN - AUGUST 2021 – JANUARY 2022

Staff – In – Charge : Dhanalakshmi
Class : I MSW

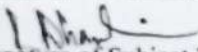
Subject : Work with Individuals (Social Case Work).
Code : HBW1B


Date/ Week	Hours	Unit	Topics Covered	Methodology	Remarks	Review (HOD)
25.10.2021 to 30.10.2021	4	I	Unit 1 : Introduction to Working with Individuals (Social Casework): Historical development of Social Case Work as a Method of Social Work, Concept and Definition, Philosophy, Values, Principles, Skills, Components.		Completed	
1.11-2021 to 6.11.2021	4	I	Case Work Relationship: Empathy, Skills in Building Relationship, Transference and Counter Transference. Difference between Casework, Counselling and Psychotherapy.	Seminar	Completed	
8.11-2021 to 13.11.2021	4	II	Unit 2 : The Helping Process: Phase I- Psychosocial Study, Psychosocial Assessment, Phase II- Intervention Plan and Goal Setting, Intervention.	Test Rains knowledge	Completed	
15.11-2021 to 17.11.2021	2	II	Phase III- Termination, Evaluation and Follow up.		Completed	

Date/ Week	Hours	UNIT	Topics Covered	Methodology	Remarks	Review (HOD)
17.11.2021 to 20.11.2021			INTERNAL EXAM – I		Completed	
22.11.2021 to 27.11.2021	4	III	Unit – III – Models and Approaches Psychoanalytic Approach, Psychosocial, Functional, Client Centered, Cognitive Behavioural Approach, Life Model, Task Centered.	PPT /Assignment	Completed	
29.11.2021 to 4.12.2021	4	III	Strength Based, Evidence Based Approach, Ecological approach, Integrated Approach.	Test	Completed	
06.12.2021 to 11.12.2021	4	IV	Unit 4 : Tools and Techniques in working with Individuals: Observation, Interviews, Home Visits, Collateral Contacts,		Completed	
13.12.2021	1	IV	Resource Mobilization, Referrals, Environment modification, Communication.		Completed	

Date/ Week	Hours	Unit	Topics Covered	Methodology	Remarks	Review (HOD)
15.12.2021 to 18.12.2021			INTERNAL EXAM – II		Completed	
20.12.2021 to 25.12.2021	4	V	Unit 5: Case Work in different Settings Case work in hospitals, schools, communities, institutional settings and industry;	Discussions	Completed	
27.12.2021 to 01.01.2022	4	V	Types of recording-verbatim, narrative, condensed, analytical, topical,	Mock recording sessions/ Mock exercises	Completed	
03.01.2022	1	V	Summary recording		Completed	
04.01.2022 to 07.01.2022			MODEL EXAMINATION			
08.01.2022	1		Revision		Completed	
10.01.2022 To	3		Revision		Completed	

17.01.2022						
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Signature of Subject Incharge:


Signature of HOD




SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN





DEPARTMENT OF SOCIAL WORK (PG)





LESSON PLAN - AUGUST 2021 – JANUARY 2022






Staff – In – Charge : Dhanalakshmi
Class : I MSW


Subject : Work with Groups (Social Group Work).
Code : HBW1C

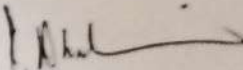
Date/ Week	Hours	Unit	Topics Covered	Methodology	Remarks	Review (HOD)
25.10.2021 to 30.10.2021	4	I	Unit 1 : Introduction to Working with Groups Historical development of Social Group Work as a Method, definition and meaning, purpose, objectives,	Test	Completed	
1.11-2021 to 6.11.2021	4	I	Values, skills, principles, use of groups in practice.	PPT	Completed	
8.11-2021 to 13.11.2021	4	II	Unit 2 : Types of Groups Definition and characteristics of groups, importance of groups in human life. Primary and Secondary Groups, Formal and Informal Groups, Open and Closed Groups.	Assignment	Completed } Rain in 4 days	

Date/ Week	Hours	Unit	Topics Covered	Methodology	Remarks	Review (HOD)
15.11-2021 to 17.11.2021	2	II	Reference groups, treatment groups, task groups, developmental groups.		Completed	
17.11.2021 to 20.11.2021			Internal – I examination		Completed	
22.11.2021 to 27.11.2021	4	III	<p>Unit 3 : Phases of group work</p> <p>Planning Phase , Beginning Phase: introduction, motivation, member feedback, defining purpose, objectives, goal setting, assessment;</p>	Test	Completed	
29.11.2021 to 4.12.2021	4	III	<p>Middle Phase: preparing for meetings, structuring the group work, intervention strategies in groups-programme planning and implementation.</p> <p>Monitoring and evaluating groups process, ending phase.</p>		Completed	

Date/ Week	Hours	Unit	Topics Covered	Methodology	Remarks	Review (HOD)
06.12.2021 to 11.12.2021	4	IV	Unit 4 : Group Processes and Dynamics Stages in a group development; new comers, isolation, rejection, group-bond, sub groups, clique, gang, dyad, triad. Group norms, Groupo Membership, leadership, team building	Seminar	Completed	
13.12.2021	1	IV	Problem solving and conflict management. Communication in a group, role clarity, use of sociometry.	Group Discussion	Completed	
15.12.2021 to 18.12.2021			INTERNAL EXAM – II		Completed	
20.12.2021 to 25.12.2021	4	V	Unit 5: Group Work Models and practice in different settings Social goals model, remedial model, reciprocal model.		Completed	

Date/ Week	Hours	Unit	Topics Covered	Methodology	Remarks	Review (HOD)
27.12.2021 to 01.01.2022	4		Group work practice in different settings: hospital, school, community, industry and institutional setting.	Test	Completed	
03.01.2022	1		Recording: importance of recording, skills required for recording in group work, types of recording in group work		Completed	
04.01.2022 to 07.01.2022			MODEL EXAMINATION		Completed	
08.01.2022	1		Revision	REVISION &	Completed	
10.01.2022 To 17.01.2022	3		Revision	MOCK TEST SESSIONS	Completed	


Signature of subject incharge


Signature of HOD




SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN

DEPARTMENT OF HUMAN RESOURCE MANAGEMENT (PG)





LESSON PLAN - AUGUST 2021 – JANUARY 2022






Staff – In – Charge : Dhanalakshmi
Class : I MA HRM

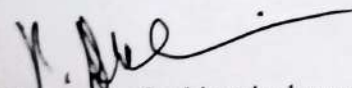
Subject : Organizational Behaviour
Code : PMC1B

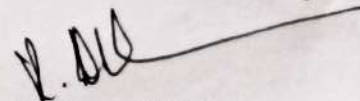
Date/ Week	Hours	Unit	Topics Covered	Methodology	Remarks	Review (HOD)
25.10.2021 to 30.10.2021	6	I	Unit 1 :Introduction to Organisational Behavior Historical background of OB – relevance of OB to Management Functions – contributing disciplines – challenges	Test	Completed	
1.11-2021 to 6.11.2021	6	I	Personality – Trait Theories – Psychoanalytical social learning – personality – job fit – perception	PPT	Completed	
8.11-2021 to 13.11.2021	6	II	Unit 2 :Theories related to Learning and Motivation Learning – classical and operant conditioning Emotions and Emotional intelligence	Assignment	Completed	

Date/ Week	Hours	Unit	Topics covered	Methodology	Remarks	Review (HOD)
15.11-2021 to 17.11.2021	2	II	Theories related to motivations Attitudes and values – source of attitude and work related attitudes		Completed	✓
17.11.2021 to 20.11.2021			Internal – I examination		Completed	✓
22.11.2021 to 27.11.2021	4	III	Unit 3 :Group Dynamics Foundations of Group Behavior – Group and Team – Group decision making and inter group relations.	Test	Completed	✓
29.11.2021 to 4.12.2021	6	III	Unit 4 :Leadership – Conflict and Negotiation Leadership – Definition and Styles Power and politics ,		Completed	✓

Date/ Week	Hours	Unit	Topics Covered	Methodology	Remarks	Review (HOD)
06.12.2021 to 11.12.2021	6	IV	Types of conflict – negotiation and negotiation strategies	Seminar	Completed	
13.12.2021	2	IV	Levels of Conflict	Group Discussion	Completed	
15.12.2021 to 18.12.2021			INTERNAL EXAM – II		Completed	
20.12.2021 to 25.12.2021	6	V	Unit 5 :Work Stress Work stress and managing work place stress		Completed	

Date/ Week	Hours	Unit	Topics Covered	Methodology	Remarks	Review (HOD)
27.12.2021 to 01.01.2022	6	V	Organizational culture and climate Organizational change and development	Test	Completed	
03.01.2022	1		Revision		Completed	
04.01.2022 to 07.01.2022			MODEL EXAMINATION		Completed	
08.01.2022	1		Revision	REVISION &	Completed	
10.01.2022 To 17.01.2022	6		Revision	MOCK TEST SESSIONS	Completed	


Signature of subject incharge


Signature of HOD

LESSON PLAN

2021-2022

EVEN SEMESTER

DEPARTMENT OF BIOCHEMISTRY

DEPARTMENT OF SOCIOLOGY



SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN
SETHU BHASKARA NAGAR, MADHANANGKUPPAM,
CHENNAI-99



DEPARTMENT OF BIOCHEMISTRY
ACADEMIC YEAR: 2021 - 2022
EVEN SEMESTER
DECEMBER '21 – APRIL '22
LESSON PLAN

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN, CHENNAI -99

DEPARTMENT OF BIOCHEMISTRY

JUNE 20__ - NOVEMBER 20__ /December 2021- April 2022



SEMESTER - VI



COURSE : Molecular Biology


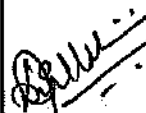
COURSE CODE : TAP6B

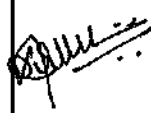
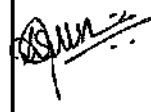

COURSE i/c : Mrs. D. Subhashini


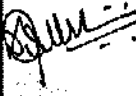
CLASS : III YR BSc. Biochemistry

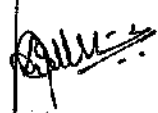
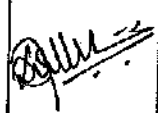
Week / Date	No. of Hours	Unit	Topics Covered	Test / Assignment /	Remarks (Course In-	Review (HOD)	Teaching Methodology	Link for e-material
17.02.2022 to 19.02.2022	3h	I	Introduction to Molecular Biology Central dogma of molecular biology Structure of DNA & RNA		completed		Board & chalk	https://youtu.be/gG7uCskUOrA
21.02.2022 to 26.02.2022	3h	I	Concept of genetic material DNA as genetic material - Experimental Proof for DNA as genetic material . Fredrick. Griffith experiment, Avery, McLeod, McCarty experiment, Hershey and Chase experiment	Assignment	completed		Experiential Learning	https://youtu.be/0QjVnJ7H198

Week / Date	No. of Hours	Unit	Topics Covered	Test / Assignment /	Remarks (Course In-	Review (HOD)	Teaching Methodology	Link for e-material
28.02..2022 to 05.03.2022	5 hrs	I	<p>Organisation of gene - packaging of DNA in the nucleus, different levels of packaging, Proteins involved in DNA compaction</p> <p>Structure function of Mitochondrial DNA, plasmid DNA</p> <p>Genome of bacteriophage (M13, Phage X174), animal virus (influenza virus) and plant virus (TMV virus)with example</p> <p>coding & non coding sequences in genome, Repetitive sequences, Satellite DNA, Cot value</p>	Seminar	completed		Participative Learning	https://youtu.be/nY4vaMA3NNk
07.03.2022 to 12.03.2022	5 hrs	II	<p>Replication - introduction to replication</p> <p>Modes of replication - conservative, semi conservative & Dispersive</p> <p>Messelson & Stahl experiment to prove semi conservative mode of replication</p> <p>Bidirectional replication experimental proof by John Cairn</p>	Test	completed		Board & chalk	https://youtu.be/PbKpaLPV9A8

Week / Date	No. of Hours	Unit	Topics Covered	Test / Assignment /	Remarks (Course In-	Review (HOD)	Teaching Methodology	Link for e-material
14.03.2022 to 19.03.2022	6 hrs	II	<p>DNA polymerase enzyme - types : I, II, III</p> <p>Functions of different types of DNA polymerase - polymerisation, proof reading, Exonuclease activity</p> <p>Phases of replication- initiation, elongation & termination</p> <p>Origin of replication - structure of Ori C in E.coli</p>		completed		Board & chalk	https://youtu.be/FYVuAeGTRx4 https://youtu.be/FYVuAeGTRx4
21.3.2021 to 26.03.2022	5 hrs	II	<p>Initiation of replication role of dna A, B & C proteins</p> <p>Elongation of replication- synthesis of leading and lagging strand</p> <p>Role of primer and primase , topoisomerase in elongation</p> <p>Termination of replication- in circular and linear DNA - Role of telomerase enzyme</p> <p>Inhibitors of replication- different classes of inhibitors, their mechanism of inhibition</p>	Test	completed		Board & chalk	https://youtu.be/Qqe4thU-os8 https://youtu.be/EYGrElVyhNU https://youtu.be/2NS0jBPurWQ

Week / Date	No. of Hours	Unit	Topics Covered	Test / Assignment /	Remarks (Course In-	Review (HOD)	Teaching Methodology	Link for e-material
28.03.2022 to 01.04.2022			INTERNAL EXAM - I					
28.03.2022 to 01.04.2022	2 hrs	III	Transcription - introduction RNA polymerase enzyme- role and types Promoter complexes - components of promoter complex, role in transcription of gene		completed		Board & Chalk	
04.04.2022 to 09.04.2022	5 hrs	III	Phases of transcription - initiation, elongation & termination Initiation of transcription- role of sigma factor, formation of open promoter complex and terinary complex Elongation of transcription- formation of DNA-RNA hybrid, transcription bubble, promoter clearance time		completed		PPT	https://youtu.be/_Zyb8bpGMR0 cademy.org/science/biology/gene-expression-central-dogma/transcriptio
11.04.2022 to 13.04.2022	1 hr	III	Termination of transcription- rho dependent and rho independent termination Inhibitors of transcription- mechanism of inhibition of transcription by various groups of inhibitors, Antibiotics as inhibitors	Seminar	completed		Board & chalk	https://youtu.be/exhXCsvHVuI

Week / Date	No. of Hours	Unit	Topics Covered	Test / Assignment /	Remarks (Course In-	Review (HOD)	Teaching Methodology	Link for e-material
11.04.2022 to 13.04.2022	3 hrs	III IV	Post transcriptional modification of tRNA, rRNA & mRNA Concept of Codons, Genetic code, characteristic features of Genetic code Deciphering of genetic code - use of Homopolymer, Heteropolymer & Tripolymer Codon - anti codon concept, role of tRNA, Wobble hypothesis		Completed		Participative Learning	https://youtu.be/IQIwwJqF5D0
19.04.2022 to 23.04.2022	5 hrs	IV	Protein synthesis (Translation process) - role of tRNA , mRNA & ribosomes Phases of protein synthesis - activation of amino acids for protein synthesis Initiation, elongation and termination of protein synthesis - role of various factors Inhibitors of protein synthesis - mechanism of inhibition by various inhibitors, antibiotics as inhibitors, Post translational Modifications in protein		Completed		ICT Enabled Teaching	https://youtu.be/5jo uj bgD6U https://youtu.be/NDJexTT9j0 https://youtu.be/8Mqbt9CrcZ4
25.04.2022 to 28.04.2022			INTERNAL EXAM - II					

Week / Date	No. of Hours	Unit	Topics Covered	Test / Assignment /	Remarks (Course In-	Review (HOD)	Teaching Methodology	Link for e-material
25.04.2022 to 30.04.2022	2 hrs	V	DNA damage - types of damage - mismatch bases, base analogues, incorrect base, breaks in DNA- single strand & double strand breaks Repair of DNA damage - photoreactivation , Mismatch repair Excision repair, recombinant repair & SOS repair		completed		Board & chalk	https://youtu.be/vP8-5Bhd2ag https://youtu.be/9bWjuwTiYXI
02.05.2022 to 07.05.2022	5 hrs	V	Mutation- definition, mutagenesis, hot spots of mutation Mutagens - chemical, physical & biological mutagens Classification of mutation - different types of classification, Mutation based on origin, type of cell, direction, effect on phenotype, change in amino acid sequence. Revision		completed		Board & chalk.	https://youtu.be/MOtRqBs0jxE
09.05.2022 to 14.05.2022			MODEL EXAM					

Reference Books :

Gene IX - Benjamin Lewin

Molecular Biology of Gene - James D. Watson

Molecular Biology - Friefelder

Textbook of Molecular Biology - Dr. Meera Murugesan & D. Subhashini



Signature of Subject i/c



Signature of HOD

SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN, CHENNAI -99

DEPARTMENT OF BIOCHEMISTRY

JUNE 20__ - NOVEMBER 20__ /December 2021- April 2022

SEMESTER - II




COURSE : CLINICAL PRACTICAL - II

COURSE CODE : TAP62

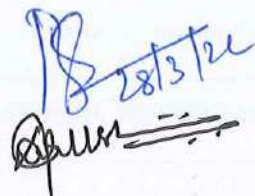
COURSE i/c : Dr. Meera Murugesan & Mrs. D. Subhashini

CLASS : III YR BSc. Biochemistry

Date	No. Of Hours	Practical	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
		Collection and preservation of blood sample	completed	DS	Practical	
03.03.2022	6 hrs	Estimation of glucose in blood	completed	DS	Practical	
		Estimation of Urea in blood	completed	DS	Practical	
11.03.2022	6 hrs	Estimation of creatinine in blood	completed	DS	Practical	
		Estimation of uric acid in blood	completed	DS	Practical	
21.03.2022	6 hrs	Estimation of cholesterol in blood	completed	DS	Practical	

Date	No. Of Hours	Practical	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
06.04.2022	6 hrs	Estimation of protein by Lowry Method	completed		Practical	
18.04.2022	6 hrs	Assay of activity of SGOT & SGPT	completed		Practical	
04.05.2021	6 hrs	ASSAY OF ACTIVITY OF ALP	completed		Practical	

Signature of Course i/c

 28/3/22

Signature of HOD



SOKA IKEDA COLLEGE OF ARTS & SCIENCE FOR WOMEN, CHENNAI -99

DEPARTMENT OF BIOCHEMISTRY

JUNE 20__ - NOVEMBER 20__ /December 20__ - April 20__



SEMESTER - II




COURSE : Cell Biology


COURSE CODE : SB22A

COURSE i/c : Mrs. D. Subhashini

CLASS : I YR BSc. Biochemistry

Week / Date	No. Of Hours	Unit	Topics Covered	Test / Assignment / Seminar	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
17.02.2022 to 19.02.2022	1.30 hr	III	Introduction to cell biology Plasma membrane as the outer most covering for cells Various proposed models of plasma membrane		completed		Board & chalk	https://youtu.be/2pPNOrFWePk
21.02.2022 to 26.02.2022	1.30 hr	III	Fluid mosaic model of plasma membrane Composition of plasma membrane lipids, protein & carbohydrate - types & functions	TEST	completed		Board & chalk	https://youtu.be/fJfTDc3WzQ8

Week / Date	No. Of Hours	Unit	Topics Covered	Test / Assignment / Seminar	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
28.02.2022 to 05.03.2022	3 hrs	III	Functions of plasma membrane Plasma membrane as a semi permeable membrane, permitting transport of various molecules inside & outside the cell Osmosis, diffusion, vesicular transport	TEST	completed		Board & chalk	https://youtu.be/086_V5LNSOM
07.03.2022 to 12.03.2022	3 hrs	III	Different types of carrier proteins in plasma membrane & their function Types of transport - Facilitated passive transport - mechanism Mechanism of transport of glucose in RBC, transport of chloride ions	Assignment	completed		PPT	https://youtu.be/AFXU10MnLlk https://youtu.be/I5pWH1r3pgU
14.03.2022 to 19.03.2022	3 hrs	III	Active transport - role of carrier proteins / pumps Calcium pump, transport of ions such as, Na, K, H Role of aquaporin in transport of water across the membrane		completed		PPT	https://youtu.be/bPFKDdWlCg

Week / Date	No. Of Hours	Unit	Topics Covered	Test / Assignment / Seminar	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
21.3.2021 to 26.03.2022	3 hrs	III	Cytoskeleton structures in cell & their functions Composition & function of microfilament Composition & function of interanuclear filament		completed		Board & chalk	https://youtu.be/j7jASIS0298
28.03.2022 to 01.04.2022			INTERNAL EXAMINATION - I					
28.03.2022 to 01.04.2022	2 hrs	IV	Chromosome - structure & function Special types of chromosome - giant & lambrush chromosome - structure & function				PPT	https://youtu.be/TJfPbtXmngs
04.04.2022 to 09.04.2022	2 hrs	IV	Cell division - cell cycle , various stages of cell cycle & their significance Mitosis - phases of mitosis cell division				Experiential Learning	https://youtu.be/DwAFZb8juMQ
11.04.2022 to 13.04.2022	2 hrs		Cytokinesis & significance of mitosis Types of mitotic cell division				Seminar	

Week / Date	No. Of Hours	Unit	Topics Covered	Test / Assignment / Seminar	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
19.04.2022 to 23.04.2022	3 hrs	IV	Meiotic cell division : stages of meiosis I Stages of meiosis II Significance of meiotic cell division		completed	ds	Participative Learning	https://youtu.be/nMEyeKOC1qI
25.04.2022 to 28.04.2022			INTERNAL EXAMINATION - II					
25.04.2022 to 30.04.2022	2 hrs	V	Cancer - introduction, definition Types of cancer - benign & malignant Causes of cancer - physical, biological & chemical agents that can cause cancer		completed	ds	Participative Learning	https://youtu.be/GhfrHjBX5eA
02.05.2022 to 07.05.2022	2 hrs	V	Properties of cancer cells - apoptosis Revision		completed	ds	PPT	
09.05.2022 to 14.05.2022			MODEL EXAM					


Reference Books :

Cell Biology and Molecular Biology - N.Arumugam

Cell Biology, Genetics, Molecular Biology, Evolution &
Ecology - P.S. Verma and V.K. Agarwal

Cell Biology and Molecular Biology - De Robertis

Signature of Subject i/c

 28/3/22


Signature of HOD

DEPARTMENT OF BIOCHEMISTRY - UG

December 2022- April 2022

Semester: EVEN

COURSE : BIOTECHNOLOGY

COURSE IN-CHARGE: Dr. LATHA . C

COURSE CODE: TEP5B

CLASS: III

Week	No. of hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
17.02.22	3	I	Syllabus - Introduction of biotechnology		Completed	AS		
19.02.22	3	I	Scope and importance of biotechnology		Completed	AS	chalk & board	
21.02.22 to	3	I	Introduction About Recombinant DNA technology - restriction endonucleases- types, role, recognition sequences, cleavage pattern, modification of cuts ends.		Completed	AS	chalk & board	https://youtu.be/ZW9zPdb Bs0
26.02.22	3	I	Introduction of vectors, characteristic features and types - plasmid, cosmid, phage		Completed	AS	chalk & board	https://youtu.be/8I22WTZXee8
	3	I	Enzymes used in rDNA technology - DNA ligases, Alkaline phosphatase, polynucleotide kinase, linkers, homopolymer tailing	TEST	Completed	AS	chalk & board	https://youtu.be/D5aEKiez_nw

Week	No. of hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
26.02.22	3	II	PBR322, construction maps of PBR322, λ bacteriophage.		Completed		Chalk & Board	https://youtu.be/y0FI8yx6Z3Y
to 05.03.22	3	II	Gene transfer methods- transformation, conjugation, transduction, microinjection and electroporation.		Completed		Chalk & Board	https://youtu.be/D5aEKiez_nw
07.03.22 to 12.03.22	3	II	Selection-selectable markers, chromogenic substrate and screening of clones- colony hybridization, screening with antibodies.		Completed		Chalk & Board	
14.03.22 to	3	II	linkers, homopolymer tailing, end labeling and construction maps of PBR322, λ bacteriophage.	TEST	Completed		Chalk & Board	
19.03.22 21.03.22 to 26.03.22	3	II	Introduction of genetic engineering, Steps involved in genetic engineering- Construction of genomic library. Synthesis of cDNA Construction of cDNA library.		Completed		PPT	https://youtu.be/2veB7ovO0DA
			I - Internal Exam [28/03/22 to 31/03/22]					
04.04.22 to	3	III	Plant tissue culture- Introduction of tissue culture, basic requirements for culture, M S medium, callus culture		Completed		Chalk & Board	

Week	No. of hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
09.04.22	3	III	protoplast culture - Isolation of protoplast Steps involved in protoplast culture	TEST	Completed		Chalk & Board	
11.04.22 to 13.04.22	3	III	Vectors - Ti plasmid (cointegration vector and binary vector), Viral vectors- TMV, CaMV and their applications.		Completed		Chalk & Board	
	3	III	Vectors - Ti plasmid (cointegration vector and binary vector), Viral vectors- TMV, CaMV and their applications.		Completed		Chalk & Board	
18.04.22 to	3	III	Transgenic plants - pest resistant, herbicide resistant and stress tolerant plants.	TEST	Completed		Chalk Board	
23.04.22	1	IV	Vectors for gene transfer in animal cells - SV 40 Vector.		Completed		Chalk Board	
	1	IV	Introduction of PCR, Types of PCR- application in clinical diagnosis and forensic science.		Completed		Chalk Board	https://youtu.be/2rAgLPb85ND

Week	No. of hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
25.04.22 to 30.04.22	1	IV	Southern blotting, Northern blotting and ELISA – principle, method and applications.		Completed		PPT	https://youtu.be/YZXkf3UpY18
	2	IV	Basics of chemical transfection methods- calcium phosphate precipitation, DEAE- dextran mediated transfection		Completed		Chalk & Board	
	1	IV	Transgenic mice-retroviral transfer and stem cell mediated transfer, applications. Embryonic stem cell- definition, ES cell culture to produce differentiated cells, applications		Completed		chalk & board	https://youtu.be/KZOW-BsldU
			II - Internal Exam [05/04/22 to 08/04/22]					
02.05.22 to 07.05.22	1	V	Production and applications of ethanol and streptomycin	Assignment	Completed		chalk & board	
07.05.22	2	V	Waste water treatment				PPT	https://youtu.be/s8IVQg7yno
	2	V	Vaccines and monoclonal antibodies		Completed		chalk & board	

Week	No. of hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Course In-)	Review (HOD)	Teaching Methodol	Link for e-material
	2	V	Production of biogas, Biodiesel Applications		completed	✓	Chalk & Board	https://youtu.be/X-fU-ronjlo
	1	V	Production and applications of Proteases		Completed	✓	Chalk & Board	
			Model Exam - 09.05-2022 - 12.05-2022					
	3		Revision for University Exam - Unit I & II		Completed			
	3		Revision for University Exam - Unit III & IV		Completed			
	3		Revision for University Exam - Unit V		Completed -			
			UNIVERSITY EXAMINATION - MAY, 2022					

REFERENCE BOOKS :

1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.

Dr - LATHA - C.
Signature of Course Incharge

Signature of HOD

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DEPARTMENT OF BIOCHEMISTRY - UG

December 2022- April 2022

Semester: EVEN

COURSE: ALLIED ZOOLOGY II

COURSE IN-CHARGE: Dr. LATHA . C

COURSE CODE:

CLASS: II

Week	No Of Hours	Unit/Chapter	Topics Covered	Test/Assignment /Seminar	Remarks(course i/c)	Rewiew (HOD)	Teaching Methodology	Link for e-material
17.02.22 to 17.02.22	2	I	Discussion About Syllabus - Introduction of cell biology - Ultrastructure of animal cell and functions.		Completed	✓	chalk & board	https://youtu.be/pgqU_6AfaI8
27.02.22 to 27.02.22	2	I	Structure and functions of Golgi		Completed	✓	chalk & board	https://youtu.be/iA8hF5HS6Ho
		I	Structure and functions of nucleus and nucleolus.		Completed	✓	Board	https://youtu.be/URUID5NEXC8
28.02.22 to 28.02.22	2	I	Structure and functions of ribosomes		Completed	✓	chalk & board	
28.02.22 to 05.02.22	2	I	Introduction of Genetics Mendelians laws of inheritance		Completed	✓	chalk & board	
			Molecular structure of DNA-	TEST	Completed	✓	chalk & board	
07.03.22 to 12.03.22	2	I	Multiple alleles-Blood group Inheritance	Assignment	Completed	✓	Board	
		II	Developmental Biology:Introduction of Embryology and	TEST	Completed	✓	Chalk & board	https://youtu.be/IDtghSTUDxM
14.03.22 to 19.03.22	2	II	Fertilation		Completed	✓	Chalk & board	https://youtu.be/fMsPakRvBuM
		II	Cleavage		Completed	✓	Chalk & board	

Week	No Of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks(course i/c)	Review (HOD)	Teaching Methodology	Link for e-material
21.03-22 to 26.03-22	2	II	Gastrulation of chick.				Chalk & Board	https://youtu.be/ADlYnQImTNg
			I - Internal Exam [28/03/22 to 29/03/22]					
01.04-22 to 06.04-22	2+2	III	Human Physiology - Introduction of Physiology, Digestion- structure, Components, process - enzymes and GIT hormones - Absorption		Completed		PPT	https://youtu.be/XbR4OehhclY
06.04-22 to 09.04-22	2							
	2+2	III	Excretion - structure and function of kidney and nephron. kidney failure and Transplantation of Kidney.		Completed		Chalk & Board	https://youtu.be/xrRdtvQwH9c
	2							
11.04-22 to 16.04-22	2	III	Circulation - Components - Structure of heart, composition of blood, Blood clotting- Blood pressure Heart diseases - Ischemia, Myocardial infarction, Rheumatic heart disease.	Seminar	Completed		Chalk & Board	https://youtu.be/CtMEETg0RYQ
	2							
	2	III	Endocrine glands-Hormones and feedback mechanism - Pituitary-Thyroid - Physiological functions.		Completed		Chalk & Board	
	2							
	2		Structure and functions of Pancreas -Adrenal and sex hormones		Completed		Chalk & Board	

Week	No Of Hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks(course i/c)	Rewiew (HOD)	Teaching Methodology	Link for e-material
18-04-22 to 23-04-22	1	IV	Environmental Biology: Hydrosphere and Lithosphere Physico-Chemical factors –	Assignment	Completed	SP	chalk & Board	
	2		Bio-geo chemical cycles- Carbon, Oxygen, Nitrogen and Phosphorus Cycle,		Completed	SP	chalk & Board	
	2	IV	Environmental Degradation - Treatment methods on sewage, effluents – Green house effect.	Assignment	Completed	SP	chalk & Board	https://youtu.be/b6Wld0tiesE
25-04-22 to 28-04-22			II - Internal Exam [25/04/22 to 28/04/22]					
29-04-22 to 30-04-22	2	V	Evolution – Lamarckism and Neo-Lamarckism – Darwinism and Neo-Darwinism.		Completed	SP	chalk & Board	https://youtu.be/BAGr77F4L5w
	2	V	Darwinism and Neo-Darwinism		Completed	SP	Chalk & Board	
02-05-22 to 04-05-22	2	V	Mimicry and Colouration		Completed	SP	chalk & Board	
07-05-22	2	V	Speciation - Factors responsible for speciation.		Completed	SP	chalk & Board	

Week	No Of Hours	Unit/Chapter	Topics Covered	Test/Assignment /Seminar	Remarks(course i/c)	Rewiew (HOD)	Teaching Methodology	Link for e-material
8-05-2022		✓	Model Exam					
14-05-2022		✓	Revision for University Exam		Completed	de		

REFERENCE BOOKS :

1. Verma, P.S. and V.K. Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology
2. Verma, P.S. and Agarwal, V.K. (1983). Animal Ecology, S. Chand & Co., New Delhi
3. Verma, P.S. and Agarwal, V.K. and Tyagi, B.S. (1991). Chordate Embryology, S. Chand & Co., New Delhi
4. T.S. Gopalakrishnan, Itta Sambasivaiah and A.P. Kamalakaraao, 1984, Principles of Organic Evolution, Pearl Publications, Chennai
5. Rastogi, V.B. and Jayaraj, M.S (2000). Text book of Genetics, Kedarnath Ramnath Publishers, Meerut.

Signature of Course Incharge

Signature of HOD

DEPARTMENT OF BIOCHEMISTRY - UG

December 2022- April 2022

Semester: EVEN

COURSE: ALLIED ZOOLOGY I & II PRACTICAL

COURSE IN-CHARGE: Dr. LATHA . C

COURSE CODE:

CLASS: II

Week	No Of Hours	Unit/Chapter	Topics Covered	Test/Assignment /Seminar	Remarks(course i/c)	Rewiew (HOD)	Teaching Methodology	Link for e-material
		III. Spotters	Invertebrate spotters					
26-02-22	3		<u>Protozoa :</u> 1. Entamoeba histolytica 2. Plasmodium vivax 3. Paramecium caudatum <u>Porifera :</u> 4. Scypha (sycon) <u>Coelenterata :</u> 5. Obelia geniculata		Completed	✓	spotters Identification.	
05-03-22			<u>Platyhelminthes :</u> 6. Taenia solium <u>Aschelminthes :</u> 7. Ascaris <u>Annelida :</u> 8. Earth Worm <u>Arthropoda :</u> 9. Prawn		Completed	✓	Spotters Identification.	
12-03-22			Mussel		Completed	✓	Spotters.	
	3		<u>Echinodermata :</u> 11. Star fish	TEST	Completed	✓	Identification	
			<u>Prochordates :</u> 12. Amphioxus		Completed	✓	Spotters	
			<u>vertebrate spotters</u> - Shark		Completed	✓	Identification.	

Week	No Of Hours	Unit/Chapter	Topics Covered	Test/Assignment /Seminar	Remarks(course i/c)	Rewiew (HOD)	Teaching Methodology	Link for e-material
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		II. Mounting:					rese ch	
04.04.2022	3		1. Mouth parts of cockroach		Completed	SB	mounting	
11.04.2022	3		2. Mouth parts of Mosquito		Completed	SB		

		I. Dissection:						
21.04.2022	3		Cockroach: Digestive system		Completed	SB	dissection	
	3		Cockroach: Nervous system		Completed	SB		
			II - Internal Exam					
			Revision for Exam					
			Revision for Exam					
			Model Exam					
			Revision for University Exam					
			Revision for University Exam					

Dr. LATHA - C
Signature of Course Incharge

Signature of HOD

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DEPARTMENT OF BIOCHEMISTRY - UG

December 2022- April 2022

Semester: EVEN

COURSE : CELL BIOLOGY

COURSE IN-CHARGE: Dr. LATHA . C

COURSE CODE: SB22A

CLASS : I

Week	No. of hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
18.02.22 to 25.02.22	2 1	I	Cell theory, cell as basic unit of life. Cell size, shape. Prokaryotic cells - origin, general features, example, cell wall, cell organelles	Test	Completed	✓	chalk & Board	https://youtu.be/pgqU_6Aql8
25.02.22 to 01.03.22	1 + 2	I	Eukaryotic cells - general features, example, cell membrane, organelles, cellular specialisation and differentiation	Test	Completed	✓	chalk & Board	https://youtu.be/URUJD5NEXC8
	1 + 2	I	Differences in plant and animal cells. Difference between Prokaryotic and eukaryotic cell		Completed	✓	chalk & Board	
04.03.22 to 08.03.22	1	II	Plasma membrane-models, structure and function. Rough and smooth Endoplasmic Reticulum-structure, types, characteristics and functions	Seminar	Completed	✓	PPT	

Week	No. of hours	Unit/Chapter	Topics Covered	Test/Assignment/Seminar	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
11.03.22 12 15.03.22 18.03.22 to	1 2 2	II	Nucleus- structure, characteristics, nuclear membrane and functions; Mitochondra - Structure, mitochondrial membrane, cristae, grana and functions; Lysosomes - structure, lysosomal enzymes and functions; Golgi apparatus - structure, cis and trans, transport and functions.	Assignment Completed TEST	Completed Completed	 Chalk & Board	 https://youtu.be/IA8hFSHS6Ho	
22.03.22 1.04.22 25 06.04.22	1 2 + 1	II	Ribosomes-Structure, types, attachment with ER and functions; Peroxisome and glyoxysome - structure and function; Chloroplast-origin, structure and function	Test -	Completed	 PPT		
9.04.22 13.04.22 20.04.22 23.04.22	 	V	Agents causing cancer - Physical, chemical, Biological. Cancer therapy - Surgery, radiation, chemotherapy. Cancer prevention		Completed	 Chalk & Board		

REFERENCE BOOKS :

1. Verma, P.S. and V.K. Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology

Dr - Looha. C

Signature of Course In-charge :

Signature of HOD

**SOKA IKEDA COLLEGE OF
ARTS AND SCIENCE FOR WOMEN**

CHENNAI – 600 099



SIC/B.A SOC/2021-2022/EVEN/LP/DOC-04

DEPARTMENT OF SOCIOLOGY

LESSON PLAN FOR EVEN SEMESTER

Feb 2022-May 2022 SHIFT II

CONTENTS

S.NO	CLASS	COURSE	COURSE CODE	PAGE NO
1	I B.A Sociology	Principles of Sociology-II	AS22A	1-5
2	I B.A Sociology	Social Psychology	AS22B	6-10
3	I B.A Sociology	Social Anthropology	AS32A	11-15
4	I MSW	Social work research and statistics	HBW2B	16-18

M. Sanyal

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SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF SOCIOLOGY - UG

Feb 2022 – May 2022

Semester: EVEN

COURSE: PRINCIPLES OF SOCIOLOGY-II

COURSE CODE: AS22A

COURSE IN-CHARGE: Dr. M. SUGANYA

CLASS: I B.A

Week	No. of hours	Unit/ Chapter	Topics Covered	Test/ Assignment/ Seminar	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
			<u>OBJECTIVES</u> 1. To understand the basic concepts in sociology and their fundamental theoretical interrelations.			MS		
			2. To enable students to understand the associative and dissociative process and social change.			MS		
			3. To know the socio cultural aspects of society so that students will be able to define; Interrelationships between Culture, Social change and Social control.			MS		


Week	No. of hours	Unit/ Chapter	Topics Covered	Test/ Assignment/ Seminar	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
17.02.2022 To 19.02.2022	3	I	<u>Social Stratification</u> Forms of Stratifications a) Slavery b) Estate		Completed	MS	Lecture Method	https://youtu.be/6zvI2fcSnFY
21.02.2022 to 26.02.2022	6	I	c) Caste - characteristics d) Class - Types e) Gender Theories of stratification		Completed	MS	Lecture Method	https://youtu.be/6zvI2fcSnFY
28.02.2022 to 05.03.2022	6	I	Social Mobility a) Vertical Mobility b) Horizontal Mobility	Test	Completed	MS	Online Learning	https://youtu.be/kzMQsXXAK5s
07.03.2022 to 12.03.2022	6	II	<u>Social Processes</u> Associative Social Processes a) Cooperation b) Accommodation c) Acculturation		Completed	MS	Presentation Method	https://youtu.be/tobTsfJef68
14.03.2022 to	6	II	d) Assimilation Dissociative Social Processes		Completed	MS	Presentation Method	https://youtu.be/tobTsfJef68

19.03.2022			a) Competition					
21.03.2022 to 25.03.2022	5	II	b) Conflict Revision	Test	Completed	<i>MS</i>	Presentation Method	
28.03.2022 to 01.04.2022			I – INTERNAL ASSESSMENT					
04.04.2022 to 09.04.2022	6	III	<u>Social Control</u> 1) Informal means of social control a) Values, b) Norms, c) Customs, d) Folkways, e) Mores, f) Public opinion, g) Religion		Completed	<i>MS</i>	ICT Enabled teaching Method	https://youtu.be/mV NWf18atL0
11.04.2022 to 13.04.2022	3	III	2) Formal means of social control a) Laws b) Community Policing c) Zero tolerance d) Citizen of patrol		Completed	<i>MS</i>	Group Discussion	https://youtu.be/mV NWf18atL0
18.04.2022 to	6	IV	<u>Culture</u> Elements of Culture	Test	Completed	<i>MS</i>	Group Discussion	https://study.com/aca demy/lesson/types-

23.04.2022			Types of Culture a) Material culture b) Non-Material culture Cultural Processes			<i>me</i>		elements-subsets-of-culture.html
25.04.2022 to 30.04.2022			II - INTERNAL ASSESSMENT					
02.05.2022 to 07.05.2022	6	V	<u>Social Change</u> Theories of social change Factors of social change a) Geographical b) Biological c) Technological Globalization	Test	Completed	<i>me</i>	Lecture Method	https://youtu.be/Q0j23nDx4sk
09.05.2022 to 17.05.2022			MODEL EXAMINATION					
			Revision					
			University Examinations					

		<p><u>Reference books</u></p> <ol style="list-style-type: none">1. Rao Shankar C.N Principles of Sociology.2. Jayaram. N. (1998), Introductory Sociology, Macmillan, India.3. Michael Harlombos (1980) Sociology Themes and Perspectives Oxford university.4. Giddens, Anthony (2001), Sociology, Fourth edition, Polity press, U.K.5. Thomson. Harry (1995), Sociology: A systematic Introduction, Allied publishers, India.				
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Signature of Subject-in-charge: Dr. M. Suganya

Signature of HOD: 

[Dr. M. SUGANYA]

DEPARTMENT OF SOCIOLOGY - UG

Feb 2022 – May 2022

Semester: EVEN





COURSE: SOCIAL PATHOLOGY





COURSE CODE: AS22B

COURSE IN-CHARGE: Dr. M. SUGANYA

CLASS: I B.A

Week	No. of hours	Unit/ Chapter	Topics Covered	Test/ Assignment/ Seminar	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
			<u>OBJECTIVES</u>					
			1. To view social pathology as a field of study preparing graduates for the prophylaxis and treatment of pathologically social phenomena.					
			2. To enable students to Understand how the functions of society get affected by social issues.					
			3. To understand social pathology as a set of phenomena which are perceived as problematic by the society.					

Week	No. of hours	Unit/ Chap ter	Topics Covered	Test/ Assignment /Seminar	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
17.02.2022 To 19.02.2022	3	I	<u>Introduction</u> Social Problems Causes of social problems Consequences		Completed		Group discussion	https://youtu.be/QMukeq6jBg4
21.02.2022 to 26.02.2022	6	I	Types of social problems a) Economic problems b) Cultural problems c) Biological problems d) Psychological problems		Completed		Field visit	https://youtu.be/QMukeq6jBg4
28.02.2022 to 05.03.2022	6	I	Social Disorganization a) Characteristics b) Causes of social disorganization	Test	Completed		ICT Enabled Teaching	https://youtu.be/Z-Q7caSjulY
07.03.2022 to 12.03.2022	6	II	<u>Poverty</u> Causes of poverty Types of poverty Poverty Alleviation strategies		Completed		Case study	https://youtu.be/htbL6UuqUo https://youtu.be/QuFJahBsquY

14.03.2022 to 19.03.2022	6	II	<u>Unemployment</u> Types of unemployment Causes of unemployment Consequences of unemployment		Completed		Lecture Method	https://youtu.be/7WYXnW4KMNQ
21.03.2022 to 25.03.2022	5	II	Revision	Presentation Test	Completed			
28.03.2022 to 01.04.2022			I - INTERNAL ASSESSMENT					
04.04.2022 to 09.04.2022	6	III	<u>Problems of women and children</u> Women harassment Domestic violence Female infanticide		Completed		Presentation	https://youtu.be/FSvBleSwaaY
11.04.2022 to 13.04.2022	3	III	Concept and Types of child abuse a) Incidence of child abuse b) Causes of child abuse c) Problems of child abuse		Completed		Group Discussion	https://parenting.firstcry.com/articles/child-abuse-a-guide-to-parents-caregivers/

18.04.2022 to 23.04.2022	6	IV	<u>Terrorism</u> a) Characteristic b) Objectives c) Mass support d) Consequences of Terrorism	Test	Completed	<i>MS</i>	Lecture method Presentation	https://www.britannica.com/topic/terrorism https://www.sciencedirect.com/topics/social-sciences/terrorism
25.04.2022 to 30.04.2022			II – INTERNAL ASSESSMENT					
02.05.2022 to 07.05.2022	6	V	<u>Crime and Delinquency</u> a) Types and causes b) Extent of crime in India c) Penology d) Rehabilitative measures	Test	Completed	<i>MS</i>	Lecture Method	https://youtu.be/zb79t92ghkk
09.05.2022 to 17.05.2022			MODEL EXAMINATION					
			Revision					
			University Examinations					

Reference Books

1. Bhattacharya, S.K, Social Problems in India, Regency Publications, New Delhi, 1994.
2. Ahuja Ram, Crime against Women, Rawat Publications, Jaipur, 1987.
3. Attachand, Poverty and Underdevelopment, Gian Publishing house, Delhi, 1987.
4. Prasad, Population growth and Child labour, Kanishka Publishers and Distributors, Delhi, 2001.
5. Kattakayam and Vadackumchery, Crime and Society, A.P.H Publishing Corporation, New Delhi, 1999

Signature of Subject-in-charge: *M. Suganya*

Signature of HOD: *MS*

[DR. M. SUGANYA]

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF SOCIOLOGY - UG

Feb 2022 – May 2022

Semester: EVEN

COURSE: SOCIAL ANTHROPOLOGY





COURSE CODE:AS32A

COURSE IN-CHARGE: Dr. M. SUGANYA

CLASS: I.B.A

Week	No. of hours	Unit/ Chapter	Topics Covered	Test/ Assignment/ Seminar	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
			<u>OBJECTIVES</u>					
			1. To enable students to Understand the functions of primitive society.					
			2. To know the socio economic institutions, structure of family and kinship system in society.					
			3. To know how evolutionary and historical processes have shaped human ancestors and lead to the biological, behavioral, and cultural diversity seen in the present.					

Week	No. of hours	Unit/ Chapter	Topics Covered	Test/ Assignment/ Seminar	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
18.02.2022 To 19.02.2022	2	I	<u>Introduction</u> Meaning Scope of Anthropology		Completed	MB	Lecture Method	https://getuplearn.com/blog/social-anthropology/
21.02.2022 to 26.02.2022	5	I	Branches of Anthropology General branches a) Physical Anthropology b) Cultural Anthropology		Completed	MB	ICT enabled teaching	https://youtu.be/aFN_CVztabyw
28.02.2022 to 05.03.2022	5	I	c) Ethnology d) Social Anthropology	Test	Completed	MB	ICT enabled teaching	https://youtu.be/k99ZWnQ-o4U
07.03.2022 to 12.03.2022	5	II	<u>Culture</u> a) Attributes of culture b) Culture Traits c) Culture Complex		Completed	MB	Presentation	https://youtu.be/ybm_5RhHUcg
14.03.2022 to 19.03.2022	5	II	d) Culture Area e) Culture Integration f) Enculturation		Completed	MB	Presentation	https://youtu.be/ybm_5RhHUcg

21.03.2022 to 25.03.2022	4	II	Culture g) Transculturation Revision	Test	Completed		Presentation	
28.03.2022 to 01.04.2022			I - INTERNAL ASSESSMENT					
04.04.2022 to 09.04.2022	5	III	<u>Marriage</u> a) levirate and Sororate b) Hypergamy and Hypogamy c) Types of Decent		Completed		Lecture method	https://youtu.be/JTEILISKjlg
11.04.2022 to 13.04.2022	3	III	<u>Kinship</u> a) Consanguinal - Affinal b) Tribe, c) Class d) Moiety, e) Phratry		Completed		Group discussion	https://youtu.be/6KoVPm9dPkl
18.04.2022 to 23.04.2022	5	IV	<u>Economic Organization</u> a) Property b) Stages of Economy c) Systems of trade exchange	Test	Completed		ICT enabled teaching	https://youtu.be/Wdf90qG85SE

25.04.2022 to 30.04.2022			II - INTERNAL ASSESSMENT					
02.05.2022 to 04.05.2022	3	V	<u>Political Organization</u> Band, Tribe and State Kinship and chiefdom Primitive Law		Completed	<i>MB</i>	Lecture method	https://youtu.be/rzccF_fWAKI
05.05.2022 to 07.05.2022	3	VI	<u>Religion</u> Animism, Bongaism, Totamism, Types and functions of magic Religious functionaries			<i>MB</i>	Presentation	https://youtu.be/jupWaPG79Gw https://youtu.be/R5Kwal7lnlw
09.05.2022 to 17.05.2022			MODEL EXAMINATION					
			Revision	Test				
			University examinations					

Reference Books

1. Jha, Makhan(1994) An Introduction to Social Anthropology, Sage Publications, New Delhi.
2. Manna Samita (2013) An Introduction to Social Anthropology, Dorling Kindersley (India) Pvt.Ltd.
3. Majumdar D.N and T.N.Madan(1994) Introduction to Social Anthropology, Mayoor Paper Backs, Noida.
4. Beals R and Haiger.H(1960) Introduction to Social Anthropology, ac Millan, New Delhi.
- 5.<http://www.yourarticlelibrary.com/sociology/kinship-and-family/kinship-meaning-types-and-other-details/34960>

Signature of Subject-in-charge: Dr. M. Sanyal

Signature of HOD: ME

[Dr. M. SUGANYA]

SOKA IKEDA COLLEGE OF ARTS AND SCIENCE FOR WOMEN, CHENNAI-99

DEPARTMENT OF SOCIAL WORK - PG

Feb 2022 – May 2022

Semester: EVEN

COURSE: SOCIAL WORK RESEARCH AND STATISTICS

COURSE CODE: HBW2B

COURSE IN-CHARGE: Dr. M. SUGANYA

CLASS: I MSW

Week	No. of hours	Unit/ Chapter	Topics Covered	Test/ Assignment/ Seminar	Remarks (Course In-charge)	Review (HOD)	Teaching Methodology	Link for e-material
18.02.2022	1	1	<u>Social research and social work research</u> Elements of scientific methods		Completed	MS	Lecture method	https://youtu.be/LIAIRRID3A
21.02.2022	1	1	Planning a research project		Completed	MS	Lecture method	https://youtu.be/yOWDSmxkXxs
23.02.2022	1	1	Variables Hypotheses	Test	Completed	MS	Group discussion	https://youtu.be/Uq6OCEPCeo
07.03.2022	1	1	Types of hypotheses		Completed	MS	Lecture method	https://youtu.be/Uq6OCEPCeo
14.03.2022	1	1	Revision		Completed	MS		
28.03.2022	1	1		Test	Completed	MS	Presentation	

30.03.2022 to 01.04.2022			I - INTERNAL ASSESSMENT					
08.04.2022	1	IV	<u>Overview of Qualitative Research</u> Tools of data collection		Completed	MB	Presentation	https://youtu.be/yOU_s0xzc-Y
11.04.2022	1	IV	Participatory technique		Completed	MB	Lecture method	https://youtu.be/99sbQu5FweM
20.04.2022	1	IV	Case analysis	Test	Completed	MB	Case study	https://youtu.be/il_kxvki8ic
25.04.2022 to 30.04.2022			II - INTERNAL ASSESSMENT					
02.05.2022	1	V	Levels of measurement		Completed	MB	ICT Enabled teaching	https://youtu.be/eghn_C7JLQ
04.05.2022	1	V	Measures of Correlation			MB	ICT Enabled teaching	https://youtu.be/30g69EGghKQ
09.05.2022 to 17.05.2022			MODEL EXAMINATION					
			Revision					
			University examinations					

		<u>Reference Books</u>					
		1. Research Methodology - C.R.Kothar					
		2. Methodology of Educational Research - Lokesh Koul					
		3. Research Methods - Rashmi Agrawal					

Signature of Subject-in-charge: Dr. M. Suganya

Signature of HOD: MS

[Dr. M. Suganya]

LESSON PLAN

2022-2023

ODD SEMESTER

DEPARTMENT OF COMPUTER APPLICATION

DEPARTMENT OF ECONOMICS

**Department of Computer Applications****COURSE SCHEDULE(2022-2025 : ODD Semester)
SZ23B JAVA PROGRAMMING****Name of the Instructors : Grace M****Class : III Sem. -****Course Outcomes:****BCA**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	To learn about the control structures and Arrays	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	To understand the Concepts of Packages, Exceptions and Threads	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	To learn the concepts of I/O Streams and Applets.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.

Lesson Plan**Control Structures****Course Outcome Statement (CO-01)**

To learn about the control structures and Arrays (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Elements: Constants – Variables – Data types - Scope of variables – Type casting –	Lecturing	Chalk and Board	true	3	https://javaproglang.blogspot.com/2014/03/constants-variables-data-types.html
2	Operators: Special operators – Expressions – Evaluation of Expressions.	Lecturing	Chalk and Board	true	3	https://www.javatpoint.com/operators-in-java
3	Decision making and branching statements- Decision making and Looping– break – labeled loop – continue Statement	Lecturing	Chalk and Board	true	3	https://www.geeksforgeeks.org/decision-making-java-if-else-switch-break-continue-jump/
4	Arrays: One Dimensional Array – Creating an array – Array processing	power Point Presentation	Smart classroom	true	3	https://www.javatpoint.com/control-flow-in-java
5	Multidimensional Array – Vectors – ArrayList – Advantages of Array List over Array Wrapper classes	Lecturing	Chalk and Board	true	3	https://www.javatpoint.com/array-in-java https://www.geeksforgeeks.org/java-util-vector-class-java/

To learn about the control structures and Arrays (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
5	Multidimensional Array – Vectors – ArrayList – Advantages of Array List over Array Wrapper classes	Lecturing	Chalk and Board	true	3	https://www.javatpoint.com/java-arraylist

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan
Exception Handling & Packages

Course Outcome Statement (CO-02)

To understand the Concepts of Packages, Exceptions and Threads (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Packages: Java API Packages – System Packages – Naming Conventions –Creating & Accessing a Package – Adding Class to a Package – Hiding Classes	Lecturing	Chalk and Board	true	3	https://www.javatpoint.com/package
2	Exception Handling: Limitations of Error handling – Advantages of Exception Handling - Types of Errors – Basics of Exception Handling – try blocks – throwing an exception	power Point Presentation	Smart classroom	true	3	https://www.javatpoint.com/exception-handling-in-java
3	Catching an exception – finally statement. Multithreading: Creating Threads – Life of a Thread – Defining & Running Thread	Lecturing	Chalk and Board	true	3	https://www.tutorialspoint.com/java/java_multithreading.htm
4	Thread Methods – Thread Priority – Synchronization –Implementing Runnable interface – Thread Scheduling	power Point Presentation	Smart classroom	true	3	https://www.javatpoint.com/multithreading-in-java

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**Applet****Course Outcome Statement (CO-03)**

To learn the concepts of I/O Streams and Applets. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	I/O Streams: File – Streams – Advantages - The stream classes – Byte streams –Character streams.	Lecturing	Chalk and Board	true	3	https://www.geeksforgeeks.org/java-io-input-output-in-java-with-examples/
2	Applets: Introduction – Applet Life cycle – Creating & Executing an Applet –Applet tags in HTML – Parameter tag – Aligning the display	Lecturing	Chalk and Board	true	3	https://www.studytonight.com/java/java-applet.php
3	Graphics Class: Drawing and filling lines – Rectangles – Polygon – Circles – Arcs – Line Graphs – Drawing Bar charts	Lecturing	Chalk and Board	true	3	https://www.javatpoint.com/Graphics-in-applet

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of Computer Applications****COURSE SCHEDULE(2021-2024 : ODD Semester)****SE251 OPERATING SYSTEM LAB****Name of the Instructors : Grace M****Class : V Sem. -****Course Outcomes:****BCA**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Understand the process management policies and scheduling process by CPU.	K3-Applying	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-02	Analyze the memory management and its allocation policies.	K3-Applying	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-03	To evaluate the requirement for process synchronization.	K3-Applying	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.

Lesson Plan**Scheduling Algorithms****Course Outcome Statement (CO-01)**

Understand the process management policies and scheduling process by CPU. (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Basic I/O programming	Demo	Computer Lab	true	3	https://www3.ntu.edu.sg/home/ehchua/programming/cpp/cp10_io.html
2	Shortest Job First Algorithm	Demo	Computer Lab	true	3	https://www.javatpoint.com/sjf-cpu-scheduling-program-in-cpp
3	First Come First Served Algorithm.	Demo	Computer Lab	true	3	https://www.studytonight.com/cpp-programs/cpp-program-for-fcfs-first-come-first-serve-scheduling-algorithm
4	Round Robin and Priority Scheduling Algorithms.	Demo	Computer Lab	true	3	https://www.studytonight.com/cpp-programs/cpp-program-for-round-robin-scheduling-algorithm
5	Priority Scheduling Algorithm	Demo	Computer Lab	true	3	https://www.thecrazyprogrammer.com/2014/11/c-cpp-program-for-priority-scheduling-algorithm.html

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
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Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan
Process Management

Course Outcome Statement (CO-03)

To evaluate the requirement for process synchronization. (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Reader/writer problem using semaphore	Demo	Computer Lab	true	3	https://shivammitra.com/reader-writer-problem-in-c/#:~:text=Pseudocode%20Solution%20using%20Semaphore%20and%20Mutex&text=wait(mutex)%3B%20readcount%2B%2B,there%20are%20no%20readers%20waiting.
2	Banker's algorithm for Deadlock avoidance	Demo	Computer Lab	true	3	https://www.sanfoundry.com/c-program-priority-scheduling/
3	Inter-process Communication	Demo	Computer Lab	true	3	http://meansofmine.blogspot.com/2011/04/c-program-for-interprocess.html

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan
Memory Management

Course Outcome Statement (CO-02)

Analyze the memory management and its allocation policies. (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	First In First Out Algorithm.	Demo	Computer Lab	true	3	https://prepinsta.com/operating-systems/page-replacement-algorithms/fifo/fifo-in-c/
2	Least Recently Used Algorithm	Demo	Computer Lab	true	3	https://prepinsta.com/operating-systems/page-replacement-algorithms/least-recently-used-lru-algorithm/lru-in-c/
3	First fit, best fit and worst fit algorithm for memory management	Demo	Computer Lab	true	3	https://www.tutorialspoint.com/cplusplus-program-for-first-fit-algorithm-in-memory-management

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of Computer Applications****COURSE SCHEDULE(2021-2024 : ODD Semester)****SE25B OPERATING SYSTEM****Name of the Instructors : Grace M****Class : V Sem. -****Course Outcomes:****BCA**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Understand the structure and functions of Operating System	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	Understand the methods for handling deadlock	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Analyze the memory management techniques	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	Understand the Page Replacement Algorithms and File Concepts	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	Understand the Concepts of I/O Systems	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.

Lesson Plan**Introduction to Operating System****Course Outcome Statement (CO-01)**

Understand the structure and functions of Operating System (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Introduction: Views- Goals - Types of System- OS Structure - Components - Services - System Structure - Layered Approach	Lecturing	Blackboard	true	5	https://www.geeksforgeeks.org/types-of-operating-systems/
2	Virtual Machines - System Design and Implementation. Process Management: Process - Process Scheduling - Cooperating Process –	Lecturing	Blackboard	true	6	https://www.javatpoint.com/process-management-in-os
3	Treads - Inter-process Communication. CPU Scheduling: CPU Schedulers - Scheduling Criteria - Scheduling Algorithms	Lecturing	Blackboard	true	6	https://www.tutorialspoint.com/operating_system/os_process_scheduling_algorithms.htm

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
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Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan
Process Management

Course Outcome Statement (CO-02)

Understand the methods for handling deadlock (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Process Synchronization: Critical-Section Problem - Synchronization Hardware - Semaphores Classical Problems of Synchronization	power Point Presentation	Smart classroom	true	4	https://www.geeksforgeeks.org/introduction-of-process-synchronization/
2	Critical Region - Monitors. Deadlocks: Characterization- Methods for Handling Deadlocks - Deadlock Prevention - Avoidance - Detection - Recovery.	Lecturing	Blackboard	true	4	https://www.javatpoint.com/os-deadlocks-introduction

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan
Memory Management

Course Outcome Statement (CO-03)

Analyze the memory management techniques (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Memory Management: Address Binding - Dynamic Loading and Linking - Overlays - Logical and Physical Address Space - Contiguous Allocation	Lecturing	Blackboard	true	3	https://www.tutorialspoint.com/operating_system/os_memory_management.htm
2	Internal & External Fragmentation. Non- Contiguous Allocation: Paging and Segmentation Schemes - Implementation - Hardware-Protection - Sharing – Fragmentation	power Point Presentation	Smart classroom	true	4	https://www.tutorialspoint.com/operating_system/os_memory_management.htm

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan
File Management

Course Outcome Statement (CO-04)

Understand the Page Replacement Algorithms and File Concepts (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Virtual Memory: Demand Paging - Page Replacement - Page Replacement Algorithms - Thrashing. File System: File Concepts - Access Methods	Lecturing	Chalk and Board	true	5	https://www.geeksforgeeks.org/page-replacement-algorithms-in-operating-systems/
2	Directory Structures - Protection Consistency Semantics - File System Structures - Allocation Methods - Free Space Management.	power Point Presentation	Smart Classroom	true	5	https://www.javatpoint.com/os-allocation-methods

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

I/O System

Course Outcome Statement (CO-05)

Understand the Concepts of I/O Systems (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	I/O System: Overview - I/O Hardware - Application I/O Interface - Kernel I/O Subsystem - Transforming.	Lecturing	Chalk and Board	true	5	https://www.tutorialspoint.com/operating_system/os_io_hardware.htm#:~:text=I%2FO%20units%20(Keyboard%2C,communicate%20with%20the%20Operating%20Systems.
2	I/O Requests to Hardware Operations - Performance Secondary Storage Structures: Protection – Goals – Domain – Access matrix	Lecturing	Chalk and Board	true	5	https://www.javatpoint.com/protection-in-operating-system#:~:text=What%20is%20Protection%20in%20Operating,is%20referred%20to%20as%20protection.
3	The Security Problem – Authentication – Threats – Threat Monitoring –	Lecturing	Chalk and Board	true	5	https://www.tutorialspoint.com/operating_system/os_security.htm

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of Computer Applications****COURSE SCHEDULE(2020-2023 : ODD Semester)****SE25C Relational Database Management system****Name of the Instructors : Ashita C T****Class : V Sem. -
BCA****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Describe basic concepts of database system	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-02	Design a Data model and Schemas in RDBMS	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Competent in use of SQL	K3-Applying	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-04	Analyze functional dependencies for designing robust Database	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-05	Design using PL/Sql program	K6-Creating	Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.
CO-06			

Lesson Plan**Database Management System****Course Outcome Statement (CO-01)**

Describe basic concepts of database system (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Database Management System – Objectives - Advantages – Components – Architecture ER Model: Building blocks of ER Diagram – Relationship Degree – Classification— ER diagram to Tables – ISA relationship – Constraints – Aggregation and Composition – Advantages	Lecturing	Blackboard	true	6	https://www.tutorialspoint.com/dbms/dbms_architecture.htm
	Data and Information	Lecturing	Blackboard	true	6	https://www.tutorialspoint.com/dbms/index.htm

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan
Relational Model

Course Outcome Statement (CO-02)

Design a Data model and Schemas in RDBMS (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Relational Algebra Operations – Advantages and limitations - Relational Calculus – Domain Relational Calculus - QBE.	Lecturing	Blackboard	true	6	https://www.javatpoint.com/dbms-relational-algebra
	: CODD's Rule- Relational Data Model - Key - Integrity	Lecturing	Blackboard	true	6	https://www.Tutorialspoint.com/dbms/dbms_codd_rules.htm

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan
Structure of Relational Database

Course Outcome Statement (CO-02)

Design a Data model and Schemas in RDBMS (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Introduction to Relational Database Design	Lecturing	Blackboard	true	6	https://www.geeksforgeeks.org/relational-model-in-dbms/
	Objectives – Tools – Redundancy and Data	Lecturing	Blackboard	true	6	https://www.techopedia.com/definition/18707/data-redundancy
	Anomaly – Functional Dependency - Normalization – 1NF – 2NF – 3NF – BCNF. Transaction Processing – Database Security.	Lecturing	Blackboard	true	6	https://www.javatpoint.com/dbms-normalization

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan
SQL: Commands

Course Outcome Statement (CO-04)

Analyze functional dependencies for designing robust Database (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	DML – Modification - Truncation - Constraints – Subquery	Lecturing	Blackboard	true	6	https://www.tutorialspoint.com/sql/sql-sub-queries.htm
	Data types – DDL - Selection, Projection, Join and Set Operations – Aggregate Functions	Lecturing	Blackboard	true	6	https://www.javatpoint.com/dbms-sql-aggregate-function

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**PL/SQL****Course Outcome Statement (CO-05)**

Design using PL/Sql program (K6-Creating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Exceptional Handling - Triggers	Lecturing	Blackboard	true	6	Tutorialspoint .com/plsql/ /plsql_ exceptions.htm
	Iterative Control - Cursors - Procedure - Function - Packages	Lecturing	Blackboard	true	6	https://www .studytonight .com/plsql/ plsql-packages
	Operators Precedence – Control Structure	Lecturing	Blackboard	true	6	https://www .tutorialspoint .com/plsql /plsql_operators precedence.htm
	Structure - Elements	Lecturing	Blackboard	true	6	https://www. geeksforgeeks. org/blocks-in-pl-sql/

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of Computer Applications****COURSE SCHEDULE(2020-2023 : ODD Semester)****SE252 PL/SQL LAB****Name of the Instructors : Ashita C T****Class : V Sem. -
BCA****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Implement the DDL , DML Commands and Constraints	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	Create, Update and query on the database.	K3-Applying	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-03	Design and Implement simple project with Front End and Back End.	K3-Applying	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-04			

Lesson Plan**DDL commands with constraints****Course Outcome Statement (CO-01)**

Implement the DDL , DML Commands and Constraints (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	DDL commands with constraints	Lecturing	Blackboard	true	3	https://www.w3schools.com/sql/sql_constraints.asp

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

DML Commands with constraints

Course Outcome Statement (CO-01)

Implement the DDL , DML Commands and Constraints (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	DML Commands with constraints	Lecturing	Blackboard	true	3	https://www.Tutorialspoint.com/what-are-the-dml-commands-in-dbms

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

SQL Queries

Course Outcome Statement (CO-02)

Create, Update and query on the database. (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Queries, sub queries, Aggregate function	Lecturing	Blackboard	true	3	https://www.Geeksforgeeks.org/aggregate-functions-in-sql/

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

PL/SQL

Course Outcome Statement (CO-02)

Create, Update and query on the database. (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Packages	Lecturing	Blackboard	true	3	https://www.Softwaretestinghelp.com/pl-sql-packages/
	Cursor, Trigger	Lecturing	Blackboard	true	3	https://www.tutorialspoint.com/plsql/plsql_cursors.htm
	Exceptional Handling	Lecturing	Blackboard	true	3	https://www.Studytonight.com/plsql/plsql-exception-handling

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan
Application programs

Course Outcome Statement (CO-03)

Design and Implement simple project with Front End and Back End. (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Design and Develop Application for Student Mark Sheet Processing	Demo	Computer system	true	3	https://www.youtube.com/watch?v=D9O-DuSDCqs
	Design and Develop Application for Payroll Processing	Demo	Computer system	true	3	https://www.youtube.com/watch?v=Ejy_2dcwBfl
	Design and Develop Application for Library Management	Demo	Computer system	true	3	https://www.youtube.com/watch?v=xkaQLbP8KqY

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of Computer Applications****COURSE SCHEDULE(2021-2023 : ODD Semester)
KDA31 FUNDAMENTALS OF INFORMATION TECHNOLOGY****Name of the Instructors : Ashita C T****Class : III Sem. -
BCA****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-04	Compares the different Internet Service providers.	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-05	Analyze different statistical packages.	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-01	Understands basic skills in computer applications.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Working knowledge on business related software.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	Implements the 'C' programming language.	K3-Appling	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-06			

Lesson Plan**Statistical packages, preparation of financial statements and statistical analysis****Course Outcome Statement (CO-05)**

Analyze different statistical packages. (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	- Editing text, Adding and formatting numbers, Symbols, Printing, Creating tables using MS Excel, Creating graphs using tables	Demo	Computer System	true	5	https://www.customguide.com/word/how-to-create-a-word-document
1	Classification of digital computers	Lecturing	Blackboard	true	5	https://www.javatpoint.com/computer
1	Internet service providers, creating an email account, sending and receiving messages with attachments, Multimedia and its applications	Lecturing	Blackboard	true	5	https://en.wikipedia.org/wiki/Internet_service_provider
1	C, DBMS, RDBMS	Lecturing	Blackboard	true	5	https://www.tutorialspoint.com/computer_fundamentals/computer_software.htm
1	Application software,	Lecturing	Blackboard	true	5	https://www

Lesson Plan

Statistical packages, preparation of financial statements and statistical analysis

Course Outcome Statement (CO-05)

Analyze different statistical packages. (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Accounting packages	Lecturing	Blackboard	true	5	.zoho.com /accounting-software/
2	MS Access- Planning and creating tables-forms and modifying tables, creating relational database, Form design and reports	Demo	Computer System	true	5	https://www.guru99.com/ms-access-tutorial.html
2	Implementing number sorting, Matrix addition, Multiplication	Lecturing	Blackboard	true	5	https://www.programiz.com/c-programming/examples/add-matrix
2	Number system, Compliments, Logic gates, Truth table, Boolean algebra, simplification of Boolean function	Lecturing	Blackboard	true	5	https://www.tutorialspoint.com/what-is-computer-architecture
2	Statistical packages, preparation of financial statements and statistical analysis	Lecturing	Blackboard	true	5	https://www.selecthub.com/business-intelligence/statistical-software/
3	Palindrome checking, Searching an element in an array	Lecturing	Blackboard	true	5	https://www.javatpoint.com/palindrome-program-in-c
3	MS PowerPoint-Preparing PowerPoint presentation for marketing products Introduction to Internet, Resources of Internet, Hardware and software requirements of Internet	Demo	Computer System	true	5	https://byjus.com/govt-exams/microsoft-powerpoint/

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of Computer Applications****COURSE SCHEDULE(2022-2025 : ODD Semester)****SE211 PROBLEM SOLVING USING PYTHON LAB****Name of the Instructors : Ashita C T****Class : I Sem. -****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Understand the numeric or real-life application problems and solve them.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	Apply a solution clearly and accurately in a program using Python.	K3-Applying	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-03	Apply the best features available in Python to solve situational problems.	K5-Evaluating	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.
CO-04			

Lesson Plan**Real-life application****Course Outcome Statement (CO-01)**

Understand the numeric or real-life application problems and solve them. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Program to convert the given temperature from Fahrenheit to Celsius and vice versa ,Program to calculate total marks, percentage and grade of a student	Demo	Computer system	true	4	https://www.geeksforgeeks.org/calculating-areas-of-different-shapes-using-python/
	Program to find factorial of the given number using recursive function,Program to count the number of even and odd numbers from array of N numbers.	Demo	Computer system	true	4	https://www.javatpoint.com/python-factorial-number-using-recursion
	Program to find the area of rectangle, square, circle and triangle by accepting suitable input parameters from user.Program to display the first n terms of Fibonacci series.	Demo	Computer system	true	4	https://www.javatpoint.com/fibonacci-series-in-c

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Apply a solution clearly and accurately in a program using Python.

Course Outcome Statement (CO-02)

Apply a solution clearly and accurately in a program using Python. (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Program to Read a file content and copy only the contents at odd lines into a new file	Demo	Computer system	true	4	https://www.geeksforgeeks.org/python-program-to-copy-odd-lines-of-one-file-to-other/
	Program to construct the following pattern, using a nested loop	Demo	Computer system	true	4	https://onlinestudyst.com/patterns-using-nested-loop-in-python/
	Python function that accepts a string and calculate the number of upper case letters and lower case letters.	Demo	Computer system	true	4	https://www.w3resource.com/python-exercises/python-functions-exercise-7.php
	Python program to reverse a given string and check whether the give string is palindrome or not.	Demo	Computer system	true	4	https://www.geeksforgeeks.org/reverse-string-python-5-different-ways/
	Program to find sum of all items in a dictionary	Demo	Computer system	true	4	https://www.geeksforgeeks.org/python-program-to-find-the-sum-of-all-items-in-a-dictionary/

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Python program to solve situational problems

Course Outcome Statement (CO-03)

Apply the best features available in Python to solve situational problems. (K5-Evaluating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Program to Create a Turtle graphics window with specific size.	Demo	Computer system	true	4	https://pythonguides.com/python-turtle-window/
	Create a menu driven Python program with a dictionary for words and their meanings	Demo	Computer system	true	4	https://learnprogramo.com/menu-driven-program-in-python-program-with-explanation/
	Python program for Towers of Hanoi using recursion	Demo	Computer system	true	4	https://python-programs.com/python-program-to-implement-tower-of-hanoi-using-recursion/
	Devise a Python program to implement the Hangman Game.	Demo	Computer system	true	4	https://www.geeksforgeeks.org/hangman-game-in-python/

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of Computer Applications****COURSE SCHEDULE(2021-2024 : ODD Semester)****ENV4B ENVIRONMENTAL STUDIES****Name of the Instructors : Ashita C T****Class : III Sem. -
BCA****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Analyses the multidisciplinary nature of environmental studies	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	Understands Ecosystems	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03			

Lesson Plan**Multidisciplinary nature of environmental studies****Course Outcome Statement (CO-01)**

Analyses the multidisciplinary nature of environmental studies (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Multidisciplinary nature	Lecturing	Blackboard	true	1	https://www.Tutorialspoint.com/environmental_studies/environmental_studies_environment.htm
	Concept of sustainability	Lecturing	Blackboard	true	1	https://www.Environmental science.org/sustainability

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Ecosystem

Course Outcome Statement (CO-02)

Understands Ecosystems (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Food chains	Lecturing	Blackboard	true	1	https://prepp.in/news/e-492-types-of-food-chain-environment-notes
	Forest ecosystem	Lecturing	Blackboard	true	1	https://www.Tutorialspoint.com/environmental_studies/Environmental_studies_ecosystem.htm
	Ecosystem	Lecturing	Blackboard	true	1	https://www.Tutorialspoint.com/environmental_studies/Environmental_studies_ecosystem.htm

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				



Department of DEPARTMENT OF ECONOMICS
COURSE SCHEDULE(2022-2025 : ODD Semester)
AE21A MICRO ECONOMICS I

Name of the Instructors : SASIKALA T**Class : I Sem. - AE****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Understanding of the basic conceptual framework of economics	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	Knowledge on working of market mechanism	K6-Creating	Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.
CO-03	An analytical impact of changes in market forces on price, income and output over time	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-04	An overview of consumer behavioural patterns to arrive at equilibrium	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	In sights pertaining to production, production function and producers equilibrium.	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.

Lesson Plan

UNIT-1

Course Outcome Statement (CO-01)

Understanding of the basic conceptual framework of economics (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Free markets	Lecturing	BOARD	true	1	https://www.vedantu.com/commerce/basic-problems-of-an-economy
	Theories and models	Lecturing	BOARD	true	2	https://theintactone.com/2019/11/12/nature-and-scope
	Definitions of Economics	Lecturing	BOARD	true	2	https://en.wikipedia.org/wiki/Definitions_of_economics
	Economic problems	Lecturing	BOARD	true	1	https://www.vedantu.com/commerce/basic-problems-of-an-economy
	Production frontier	Lecturing	BOARD	true	2	https://en.wikipedia.org/wiki/Production%E2%80%93possibility_frontier

Understanding of the basic conceptual framework of economics (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Scope and methods	Lecturing	BOARD	true	2	https://theintactone.com 2019/11/12 › nature-and-scope

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT-2****Course Outcome Statement (CO-02)**

Knowledge on working of market mechanism (K6-Creating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Shift vs movement	Lecturing	BOARD	true	2	https://keydifferences.com/difference-between-movement-and-shift-in-demand-curve.html
	determinants	Lecturing	BOARD	true	1	https://keydifferences.com/difference-between-movement-and-shift-in-demand-curve.html
	Determination of market equilibrium.	Lecturing	BOARD	true	1	https://www.yourarticlelibrary.com/economics/the-determination-of-market-equilibrium-under-perfect-competition
	Firms and households	Lecturing	BOARD	true	2	https://www.britannica.com/topic/supply-and-demand
	Demand function and supply function	Lecturing	BOARD	true	2	https://www.britannica.com/topic/supply-and-demand
	Law of demand and law of supply	Lecturing	BOARD	true	4	https://thebusinessprofessor.com/law-of-supply-and-demand-definition
	Exceptions and applications	Lecturing	BOARD	true	2	https://thebusinessprofessor.com/law-of-supply-and-demand-definition

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT-3****Course Outcome Statement (CO-03)**

An analytical impact of changes in market forces on price, income and output over time (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Determinants	Lecturing	BOARD	true	1	https://courses.lumenlearning.com/wmmacroeconomics/chapter/income-elasticity-cross-price-elasticity-other-types
	Calculating Elasticities	Lecturing	BOARD	true	1	https://courses.lumenlearning.com/wmmacroeconomics/chapter/income-elasticity-cross-price-elasticity-other-types
	Elasticities of demand and supply	Lecturing	BOARD	true	1	https://www.unf.edu/~traynham/ch05lecture.pdf
	price, income, cross, substitution	Lecturing	BOARD	true	1	https://courses.lumenlearning.com/wmmacroeconomics/chapter/income-elasticity-cross-price-elasticity-other-types
	Time dimensions	Lecturing	BOARD	true	1	https://edurev.in/question/342460/What-is-the-meaning-of-time-dimension--
	slope – types	Lecturing	BOARD	true	1	https://www.unf.edu/~traynham/ch05lecture.pdf

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT-4****Course Outcome Statement (CO-04)**

An overview of consumer behavioural patterns to arrive at equilibrium (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Cardinal Utility Approach	Lecturing	BOARD	true	1	https://en.wikipedia.org/wiki/Cardinal_utility
	Total Utility and Marginal Utility	Lecturing	BOARD	true	1	https://www.vedantu.com/commerce/difference-between-total-utility-and-marginal
	Law of Diminishing Marginal Utility	Lecturing	BOARD	true	1	https://www.investopedia.com/ask/answers/013015/what-does-law-diminishing-marginal-utility-
	Ordinal Utility-Indifference Curves-Marginal Rate Of Substitution-Consumer Surplus	Lecturing	BOARD	true	1	https://www.vedantu.com/commerce/difference-between-cardinal-and-ordinal-utility
	Hicksian Price Effect-Concept of Consumer Surplus	Lecturing	BOARD	true	1	https://www.lancaster.ac.uk/staff/desilvad/Lecture7.pdf https://corporatefinanceinstitute.com/resources/knowledge/economics/consumer-surplus/
	Law of equi-marginal utility-Limitations	Lecturing	BOARD	true	1	https://www.economicdiscussion.net/law-of-equi-marginal-utility-2/law-of-equi-marginal-utility

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT-5****Course Outcome Statement (CO-05)**

In sights pertaining to production, production function and producers equilibrium. (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Least cost combinations	Lecturing	BOARD	true	3	https://www.toppr.com/guides/business-economics/laws-of-production/producers-equilibrium/
	Iso-quants	Lecturing	BOARD	true	1	https://en.wikipedia.org/wiki/Isoquant
	Marginal Rate of Technical Substitution	Lecturing	BOARD	true	1	https://www.investopedia.com/terms/m/marginal-rate-technical-substitution.asp
	Law of Returns to Scale	Lecturing	BOARD	true	1	https://www.toppr.com/guides/business-economics/laws-of-production/producers-equilibrium/
	Producers' Equilibrium	Lecturing	BOARD	true	5	https://www.toppr.com/guides/business-economics/laws-of-production/producers-equilibrium/
	Production Function, Law of variable proportion	Lecturing	BOARD	true	2	https://byjus.com/commerce/production-function/

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				



Department of DEPARTMENT OF ECONOMICS
COURSE SCHEDULE(2021-2024 : ODD Semester)
AE33A RURAL ECONOMICS

Name of the Instructors : SASIKALA T**Class : III Sem. -****Course Outcomes:****AE**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	To understand the concept of Rural Economy	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	To gain knowledge about the Rural employment, issues of unemployment and Policies.	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-03	To obtain knowledge about the Agricultural Marketing, pricing policies, financial issues and financial institutions	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	To know the Rural Development Programmes and Policies of the government.	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-05	To obtain knowledge about the Rural Industrialisation opportunities.	K3-Appling	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.

Lesson Plan

UNIT -1

Course Outcome Statement (CO-01)

To understand the concept of Rural Economy (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Barter System	Lecturing	BOARD	true	1	http://eagri.org/eagri50/AEXT391/lec03.pdf
	Nature- Scope and Factors determining Rural Economy	Lecturing	BOARD	true	2	https://en.wikipedia.org/wiki/Rural_economics
	Economic Characteristics - Land and Asset Distribution	Lecturing	BOARD	true	2	https://www.cnbc.com/india-economy-impact-of-monsoon-rain-on-agriculture-sector-farmers
	Agricultural Income-Vagaries of Monsoon.	Lecturing	BOARD	true	2	https://www.cnbc.com/india-economy-impact-of-monsoon-rain-on-agriculture-sector-farmers
	Characteristics of Rural Economy - Social Aspects of India's Rural Areas	Lecturing	BOARD	true	2	http://eagri.org/eagri50/AEXT391/lec03.pdf

To understand the concept of Rural Economy (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Non-monetized Sector	Lecturing	BOARD	true	1	https://www.epw.in/system/files/nonmonetized_economy_and_development.pdf

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT-2****Course Outcome Statement (CO-02)**

To gain knowledge about the Rural employment, issues of unemployment and Policies. (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Rural Employment Programmes	Lecturing	BOARD	true	2	https://www.india.gov.in/topics/rural/rural-employment
	Agricultural Labour – Marginal Productivity	Lecturing	BOARD	true	2	https://www.google.comAgricultural+Labour/Marginal+Productivity
	Rural Unemployment - Types and Magnitude	Lecturing	BOARD	true	3	https://www.yourarticlelibrary.com/unemployment/rural-unemployment-in-india-2921-words/4820
	Minimum Wages Act,	Lecturing	BOARD	true	4	https://www.google.comAgricultural+Labour/Marginal+Productivity
	MGNREGA	Lecturing	BOARD	true	1	https://nrega.nic.in/Nregahome/MGNREGA_new/Nrega_home.aspx
	Nature, Causes and Consequences-Poverty Alleviation Programmes. UN	Lecturing	BOARD	true	1	https://en.wikipedia.org/wiki/Poverty_alleviation_programmes_in_India
	Agricultural Wage	Lecturing	BOARD	true	1	https://www.google.comAgricultural+Labour/Marginal+Productivity
	Rural Poverty	Lecturing	BOARD	true	2	https://nrega.nic.in/Nregahome/MGNREGA_new/Nrega_home.aspx

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT-3****Course Outcome Statement (CO-03)**

To obtain knowledge about the Agricultural Marketing, pricing policies, financial issues and financial institutions (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	NABARD	Lecturing	BOARD	true	1	https://www.nabard.org/
	Agriculture Marketing Development	Lecturing	BOARD	true	1	https://en.wikipedia.org/wiki/Agricultural_marketing
	Rural Finance - Causes and magnitude of rural indebtedness	Lecturing	BOARD	true	1	https://www.yourarticlibrary.com/essay/rural-indebtedness-in-india-causes-consequences-and-measure-for-removal/34982
	Agricultural Marketing – Minimum Support Price linked to Production Cost -	Lecturing	BOARD	true	1	https://en.wikipedia.org/wiki/Agricultural_marketing
	eNAM systemCrop Insurance -	Lecturing	BOARD	true	1	https://en.wikipedia.org/wiki/Agricultural_marketing
	Unorganized: Money lenders, Indigenous Bankers, Organized: Co-operatives, Commercial Banks, Regional Rural Banks	Lecturing	BOARD	true	2	https://www.yourarticlibrary.com/essay/rural-indebtedness-in-india-causes-consequences-and-measure-for-removal/34982 https://www.google.com/search?client=firefox-b-d&q=Sources+of+rural+credit
	Sources of rural credit:	Lecturing	BOARD	true	1	https://www.google.com/search?client=firefox-b-d&q=Sources+of+rural+credit

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT-4****Course Outcome Statement (CO-04)**

To know the Rural Development Programmes and Policies of the government. (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	National Rural Health Mission	Lecturing	BOARD	true	3	https://www.google.com/search?client=firefox-b-d&q=National+Rural+Health+Mission
	Pradhan Mantri Sadak Yojana	Lecturing	BOARD	true	1	https://www.adda247.com/defence-jobs/rural-development-programs-of-india/
	Pradhan Mantri Awaas Yojana	Lecturing	BOARD	true	2	https://www.google.com/search?client=firefox-b-d&q=PradhanMantriAwaasYojana
	Rural Development Programmes	Lecturing	BOARD	true	2	https://www.adda247.com/defence-jobs/rural-development-programs-of-india/
	National Rural Livelihood Mission	Lecturing	BOARD	true	1	https://www.google.com/search?client=firefox-b-d&q=National+Rural+Livelihood+Mission

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT-5****Course Outcome Statement (CO-05)**

To obtain knowledge about the Rural Industrialisation opportunities. (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Rural artisans	Lecturing	BOARD	true	1	https://www.businessworld.in/article/Encouraging-Rural-Artisanship-in-Modern-Times
	Rural Industrialization	Lecturing	BOARD	true	1	https://www.google.com/search?client=firefox-b-d&q=Rural+Industrialization
	Cooperative Marketing-Role of Self Help Groups	Lecturing	BOARD	true	2	https://www.google.com/search?client=firefox-b-d&q=Cooperative+Marketing-Role+of+Self+Help+Groups
	Recent Government Policy for Rural Development	Lecturing	BOARD	true	1	https://www.mapsofindia.com/my-india/government/schemes-for-rural-development-launched-by-government-of-india
	PURA Model	Lecturing	BOARD	true	1	https://www.google.com/search?client=firefox-b-d&q=PURA+Model
	Agro-based Industries	Lecturing	BOARD	true	1	https://www.google.com/search?client=firefox-b-d&q=Rural+Industrialization
	Cooperative societies – Rural Marketing	Lecturing	BOARD	true	2	https://www.businessworld.in/article/Encouraging-Rural-Artisanship-in-Modern-Times
	Cottage Industries	Lecturing	BOARD	true	1	https://www.investopedia.com/terms/c/cottage-industry.asp

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
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Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of DEPARTMENT OF ECONOMICS****COURSE SCHEDULE(2020-2023 : ODD Semester)****BDE5A AGRICULTURAL ECONOMICS****Name of the Instructors : SASIKALA T****Class : V Sem. - AE****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	To understand the concept of agricultural economics i.e. Farming and non-farming sectors, Cropping pattern (diversification(or) rotation).	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	To gain knowledge about the land holdings and its impact on productivity.	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-03	To understand about the rural financial issues and sources of finance for agricultural development	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	To understand the concept of agricultural marketing function and types.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	To gain knowledge about the community development programmes	K5-Evaluating	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.

Lesson Plan**unit-1****Course Outcome Statement (CO-01)**

To understand the concept of agricultural economics i.e. Farming and non-farming sectors, Cropping pattern (diversification(or) rotation). (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Importance of Technology in Agriculture.	Lecturing	BOARD	true	2	https://www.pmfias.com/sustainable-agriculture-organic-farming-biofertilizers/
	Relationship between Agricultural and Non-agricultural Sectors	Lecturing	BOARD	true	2	https://www.google.com/Relationship+between+Agricultural+and+Non-agricultural+Sectors
	Major Crops – Food and Commercial Crops	Lecturing	BOARD	true	1	https://www.lidolearning.com/questions/bi-bb-selina8-ch9-exla-q5/q5-differentiate-between-food-/
	Meaning of Agricultural Economics, Need and Importance of Agricultural Economics	Lecturing	BOARD	true	2	https://www.britannica.com/topic/agricultural-economics

To understand the concept of agricultural economics i.e. Farming and non-farming sectors, Cropping pattern (diversification(or) rotation). (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Mixed Farming and Sustainable Agriculture	Lecturing	BOARD	true	2	https://www.pmfias.com/sustainable-agriculture-organic-farming-biofertilizers/
	Crop Rotation	Lecturing	BOARD	true	1	https://www.google.com/search?client=firefox-b-d&q=Crop+Rotation

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT-2****Course Outcome Statement (CO-02)**

To gain knowledge about the land holdings and its impact on productivity. (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Agricultural Productivity	Lecturing	BOARD	true	3	https://www.agriculture.gov.au/abares/research-topics/productivity
	Causes for low Productivity	Lecturing	BOARD	true	1	https://kanbanize.com/blog/low-productivity/
	Suggestions for Raising Agricultural Productivity.	Lecturing	BOARD	true	2	https://kanbanize.com/blog/low-productivity/
	Sub-Division and Fragmentation of Holding in India	Lecturing	BOARD	true	2	https://www.economicdiscussion.net/essays/essay-on-agricultural-holding-in-india/18113
	Consolidation of Land Holding	Lecturing	BOARD	true	4	https://en.wikipedia.org/wiki/Land_consolidation
	Agricultural Holdings	Lecturing	BOARD	true	3	https://ec.europa.eu/eurostat/statistics-explained/index.php?title=Glossary:Agricultural_holding
	Causes and III Effects of Sub-Division	Lecturing	BOARD	true	1	https://en.wikipedia.org/wiki/Land_consolidation

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT-3****Course Outcome Statement (CO-03)**

To understand about the rural financial issues and sources of finance for agricultural development (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Measures to Remove Rural Indebtedness and Regulation of Money Lenders	Lecturing	BOARD	true	1	https://www.yourarticlelibrary.com/essay/rural-indebtedness-in-india-causes-consequences-and-measure-for-removal/34982
	Agricultural Credit	Lecturing	BOARD	true	1	https://www.yourarticlelibrary.com/essay/rural-indebtedness-in-india-causes-consequences-and-measure-for-removal/34982
	Causes, Consequences	Lecturing	BOARD	true	1	https://www.jstor.org/stable/40276974
	NABARD	Lecturing	BOARD	true	1	https://www.nabard.org/
	Self Help Group- Non Institutional Finance	Lecturing	BOARD	true	1	https://testbook.com/learn/rrb-regional-rural-banks/
	RRB	Lecturing	BOARD	true	1	https://testbook.com/learn/rrb-regional-rural-banks/
	Sources of Agricultural Finance	Lecturing	BOARD	true	1	https://www.nabard.org/
	Indebtedness	Lecturing	BOARD	true	1	https://www.jstor.org/stable/40276974

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT-4****Course Outcome Statement (CO-04)**

To understand the concept of agricultural marketing function and types. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Concepts and Features of Agricultural Marketing in India	Lecturing	BOARD	true	2	https://start.mgkvp.ac.in/Uploads/Lectures/47/154.pdf
	Main Defects of Agricultural Marketing.	Lecturing	BOARD	true	1	https://start.mgkvp.ac.in/Uploads/Lectures/47/154.pdf
	Co-operative Marketing	Lecturing	BOARD	true	3	https://agritech.tnau.ac.in/agricultural_marketing/agrimark_Cooperatives.html
	Advantages and Progress of Co-operative Marketing.	Lecturing	BOARD	true	1	https://agritech.tnau.ac.in/agricultural_marketing/agrimark_Cooperatives.html
	The Regulated Markets-functions	Lecturing	BOARD	true	2	https://www.economicdiscussion.net/market/regulated-markets/regulated-markets-subject-u

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT-5****Course Outcome Statement (CO-05)**

To gain knowledge about the community development programmes (K5-Evaluating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	National Agricultural Policy 2000	Lecturing	BOARD	true	2	https://www.india.gov.in/swarnjayanti-gram-swarozgar-yojana
	Swarnajayanthi GramSwarojgarYojana (SGSY)	Lecturing	BOARD	true	1	https://www.india.gov.in/swarnjayanti-gram-swarozgar-yojana
	MGNREP	Lecturing	BOARD	true	2	https://nrega.nic.in/netnrega/convergence/.Cwritereaddata%5CConvergence/_Agriculture.pdf
	Meanings, Objectives, Strategy-Progress	Lecturing	BOARD	true	1	https://www.google.com/search?client=firefox-b-d&q=Community+Development
	Objectives and Implementation of CD	Lecturing	BOARD	true	1	https://www.google.com/search?client=firefox-b-d&q=Community+Development
	Food Security.	Lecturing	BOARD	true	2	https://nrega.nic.in/netnrega/convergence/.Cwritereaddata%5CConvergence/_Agriculture.pdf
	Community Development	Lecturing	BOARD	true	1	https://www.google.com/search?client=firefox-b-d&q=Community+Development

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of DEPARTMENT OF ECONOMICS****COURSE SCHEDULE(2022-2025 : ODD Semester)****AE51A NME:ECONOMICS FOR MANAGERS****Name of the Instructors : SASIKALA T****Class : I Sem. - AE****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Understanding the basic conceptual framework.	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-02	Appreciate the concepts and relationship between quantity and price etc. from the view of consumer and producer and apply them in real world situations.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Acquire the knowledge of the relationship between cost, revenue and its impact on output.	K3-Appling	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-04	Understand the spectrum of competition in market and key factors useful giving rise for competitive edge.	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-05	Understand cycles of business, and impact of that on business houses.	K5-Evaluating	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.

Lesson Plan**UNIT-I****Course Outcome Statement (CO-01)**

Understanding the basic conceptual framework. (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Characteristics	Lecturing	BOARD	true	1	https://www.cheggindia.com/career-guidance/managerial-economics-principals-types-and-scope
	Scope and significance & Economic models	Lecturing	BOARD	true	1	https://www.cheggindia.com/career-guidance/managerial-economics-principals-types-and-scope
	Meaning and Nature of managerial economics	Lecturing	BOARD	true	1	https://www.wallstreetmojo.com/managerial-economics/
	Objectives of the forms	Lecturing	BOARD	true	1	https://www.cheggindia.com/career-

Understanding the basic conceptual framework. (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Objectives of the forms	Lecturing	BOARD	true	1	guidance/managerial-economics-principals-types-and-scope https://www.cheggindia.com/career-guidance/managerial-economics-principals-types-and-scope

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT-II****Course Outcome Statement (CO-02)**

Appreciate the concepts and relationship between quantity and price etc. from the view of consumer and producer and apply them in real world situations. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Elasticity, Measurements	Lecturing	BOARD	true	1	https://www.investopedia.com/terms/e/elastic.asp
	Determinants	Lecturing	BOARD	true	1	https://www.investopedia.com/terms/e/elastic.asp
	Demand and supply	Lecturing	BOARD	true	1	https://www.britannica.com/topic/supply-and-demand
	Demand forecasting.	Lecturing	BOARD	true	1	https://www.tradegecko.com/ebooks/demand-forecasting

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT-III****Course Outcome Statement (CO-03)**

Acquire the knowledge of the relationship between cost, revenue and its impact on output (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Revenue concepts	Lecturing	BOARD	true	1	https://www.toppr.com/guides/business-economics-cs/analysis-of-market/basic-concepts-of-revenue/
	Cost of production, Types	Lecturing	BOARD	true	1	https://www.analyticsteps.com/blogs/cost-production-meaning-types-how-calculate
	Cost and revenue concepts & Short and long run costs	Lecturing	BOARD	true	1	https://www.flexiprep.com/NIOSNotes/Secondary/Economics/NIOS-Economics-Ch-8-Cost-and-Revenue.html
	Economies and diseconomies of scale	Lecturing	BOARD	true	1	https://www.toppr.com/guides/business-economics/theory-of-cost/economies-and-diseconomies-of-scale/

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT-IV****Course Outcome Statement (CO-04)**

Understand the spectrum of competition in market and key factors useful giving rise for competitive edge. (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Equilibrium and output determination	Lecturing	BOARD	true	1	https://www.economicdiscussion.net/production/determination-of-economic-equilibrium-level-of-output-micro-economics/683
	Competition: Classification of Market Structure	Lecturing	BOARD	true	1	https://www.economicdiscussion.net/production/determination-of-economic-equilibrium-level-of-output-micro-economics/683
	Perfect competition-monopoly, Monopolistics	Parallel Reading	BOARD	true	1	https://www.britannica.com/topic/monopoly-economics/Perfect-competition
	Oligopoly	Lecturing	BOARD	true	1	https://www.investopedia.com/terms/o/oligopoly.asp

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT-V****Course Outcome Statement (CO-05)**

Understand cycles of business, and impact of that on business houses . (K5-Evaluating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Phases of business cycle- control	Lecturing	BOARD	true	1	https://corporatefinanceinstitute.com/resources/knowledge/economics/business-cycle/
	Theories of Business cycles, meaning ,type	Lecturing	BOARD	true	1	https://www.economicdiscussion.net/business-cycles/theories-of-business-cycles-explained-with-diagram/4137
	Schumpeter's and Keynesian Theories of Trade Cycle	Lecturing	BOARD	true	1	https://www.economicdiscussion.net/trade-cycle/schumpeters-innovation-theory-of-trade-cycle/14661

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of DEPARTMENT OF ECONOMICS****COURSE SCHEDULE(2022-2025 : ODD Semester)****PZ1AA PROFESSIONAL ENGLISH FOR ARTS AND SOCIAL SCIENCE-1****Name of the Instructors : SASIKALA T****Class : I Sem. - AE****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Recognise their own ability to improve their own competence in using the language.	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-02	Use language for speaking with confidence in an intelligible and acceptable manner.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Understand the importance of reading for life and read independently unfamiliar texts with comprehension	K3-Appling	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-04	Understand the importance of writing in academic life	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	Write simple sentences without committing error of spelling or grammar.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.

Lesson Plan**UNIT 1****Course Outcome Statement (CO-01)**

Recognise their own ability to improve their own competence in using the language. (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	UNIT 1	Lecturing	BLACKBOARD AND PPT	true	6	TANSCHE I

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

UNIT 2

Course Outcome Statement (CO-02)

Use language for speaking with confidence in an intelligible and acceptable manner. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
2	UNIT 2	Group Discussion	BLACKBOARD AND PPT	true	6	TANSICHE II

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

UNIT 3

Course Outcome Statement (CO-03)

Understand the importance of reading for life and read independently unfamiliar texts with comprehension (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
3	UNIT 3	Parallel Reading	BLACKBOARD	true	6	TANSCHÉ II

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

UNIT 4

Course Outcome Statement (CO-04)

Understand the importance of writing in academic life (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
4	UNIT 4	Lecturing	BLACKBOARD AND PPT	true	6	TANSICHE II

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT 5****Course Outcome Statement (CO-05)**

Write simple sentences without committing error of spelling or grammar. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
5	UNIT 5	Lecturing	BLACKBOARD AND PPT	true	6	TANSICHE II

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of DEPARTMENT OF ECONOMICS****COURSE SCHEDULE(2022-2025 : ODD Semester)****AE31A HISTORY OF ECONOMIC THOUGHT****Name of the Instructors : DEEPA B****Class : I Sem. - AE****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	The study of History of Economic Thought clearly shows that there is a certain unity in economic thought and this unit connects us with ancient times	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	Economic ideas have been instrumental in shaping the economic and political policies of different countries.	K3-Appling	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-03	To found a place of pride in explaining the preference of various economies.	K5-Evaluating	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.
CO-04	Economic ideas are conditioned by time, place and circumstances.	K6-Creating	Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.
CO-05	Students will be able to understand how planning and infrastructure support of Indian economist to develop an economy	K5-Evaluating	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.

Lesson Plan**UNIT I****Course Outcome Statement (CO-01)**

The study of History of Economic Thought clearly shows that there is a certain unity in economic thought and this unit connects us with ancient times (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Introduction to the History of Economic Thought Meaning, Need for study of Economic Thought	Lecturing	BOARD	true	2	https://www.slideshare.net/Biomoda/history-of-econ...
	Origin of Modern Economic Thought	Lecturing	BOARD	true	2	Lecture Slides in History of Economic Thought https://economicsnetwork.ac.uk/teaching/Historyof...
	Mercantilism and Physiocracy Economic thoughts	Lecturing	BOARD	true	2	https://www.slideshare.net/Biomoda/history-of-econ...

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
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Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT II****Course Outcome Statement (CO-02)**

Economic ideas have been instrumental in shaping the economic and political policies of different countries. (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Alternative Schools of Thought OF Marxian Socialism	Lecturing	BOARD	true	1	https://www.newworldencyclopedia.org/entry/History_of_economic_thought
	Adam Smith, David Ricardo Thomas Robert Malthus and J.S.Mill Classism economic thoughts	Lecturing	BOARD	true	2	https://www.newworldencyclopedia.org/entry/History_of_economic_thought
	The Classical Political Economy	Lecturing	BOARD	true	1	https://www.newworldencyclopedia.org/entry/History_of_economic_thought

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT III****Course Outcome Statement (CO-03)**

To found a place of pride in explaining the preference of various economies. (K5-Evaluating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Institutional School of Thorstein Bunde Veblen and German Historical School, Critical and Positive ideas and Marginal Revolution of William Stanley Jevons	Lecturing	BOARD	true	2	https://www.exploring-economics.org/en/discover/history-of-economic-thought/
	Carl Menger , Leon Walras- Neo Classical Economics ,Main Features of Alfred Marshall and Critique of Neoclassical School	Lecturing	BOARD	true	1	https://www.exploring-economics.org/en/discover/history-of-economic-thought/

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT IV****Course Outcome Statement (CO-04)**

Economic ideas are conditioned by time, place and circumstances. (K6-Creating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Keynesian Economics and Main Features of Keynesian Revolution	Lecturing	BLACK BOARD	true	2	https://www.newworldencyclopedia.org/entry/History_of_economic_thought
	Contributions of Lord Keynes to Macro Economics and Welfare School Vilfred Pareto	Lecturing	BLACK BOARD	true	4	https://www.newworldencyclopedia.org/entry/History_of_economic_thought

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT V****Course Outcome Statement (CO-05)**

Students will be able to understand how planning and infrastructure support of Indian economist to develop an economy (K5-Evaluating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Economic thoughts of Gopalakrishna ,Gokhale and M. K. Gandhi	Lecturing	BLACK BOARD	true	3	https://www.economicdiscussion.net/economists/economic-ideas-of-mahadev-govind-ranade-with-conclusion/21126
	Indian Economic Thought of Dadabhai Naoroji, Mahadev Govind Ranade	Lecturing	BLACK BOARD	true	1	https://www.economicdiscussion.net/economists/economic-ideas-of-mahadev-govind-ranade-with-conclusion/21126

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of DEPARTMENT OF ECONOMICS****COURSE SCHEDULE(2021-2024 : ODD Semester)****TSSEG PERSONALITY ENRICHMENT - I****Name of the Instructors : DEEPA B****Class : III Sem. -****Course Outcomes:****AE**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Steps to prepare one's short term goals and long term goals.	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-02	Role play activity through re-election of identifying how priority management.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Using the techniques of memory enhancers to review your classroom	K3-Appling	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-04	- Understanding your shyness analyze the social situation of shyness and the causes of your shyness.	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-05	Guidelines to overcome	K5-Evaluating	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.

Lesson Plan**UNIT I****Course Outcome Statement (CO-01)**

Steps to prepare one's short term goals and long term goals. (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Self disclosure and feedback	Lecturing	BOARD	true	1	https://www.slideshare.net/KarthiyaBanu1/personalit .
1	Characteristics of self disclosure Self disclosure benefits and appropriateness ,Self disclosure and self awareness	Lecturing	BOARD	true	2	https://www.slideshare.net/KarthiyaBanu1/personalit .

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Course Outcome Statement (CO-02)

Role play activity through re-election of identifying how priority management. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
No Records						

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT II****Course Outcome Statement (CO-02)**

Role play activity through re-election of identifying how priority management. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	<ul style="list-style-type: none"> Managing stress :exercise, nutrition, sleep, healthy pleasures ,self talk stress Relaxation Methods: breathing techniques, meditation techniques, 	Lecturing	BOARD	true	3	https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwj9xem11rX_AhWkwzgGHY4zBNYQFnoECA0QAQ&url=https%3A%2F%2Fwww.health.harvard.edu%2Fmind-and-mood%2Fsix-relaxation-techniques-to-reduce-stress&usg=AOvVaw3l3tqxA3bNQXuSN8u0Z3AI

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT III****Course Outcome Statement (CO-03)**

Using the techniques of memory enhancers to review your classroom (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Managing anxiety and fear ,Breathing and an antidote to stress ,progressive,muscle relaxation talk	Lecturing	BOARD	true	1	https://www.verywellmind.com/personality-development-

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT IV****Course Outcome Statement (CO-04)**

- Understanding your shyness analyze the social situation of shyness and the causes of your shyness.

(K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Importance of study environment ,using VCR3 to increase memory power: visualizing, concentrating, relating, repeating, reviewing, memory hindrances .	Lecturing	BOARD	true	1	http://www.rgmttc.bsnl.co.in/UoM/uom5_vetted.pdf
	Memory helpers, knowing vs memorizing ,memory and studying , the SQ3R method; survey, write questions, read, recite , review mnemonic devices	Lecturing	BOARD	true	1	http://www.rgmttc.bsnl.co.in/UoM/uom5_vetted.pdf

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

UNIT V

Course Outcome Statement (CO-05)

Guidelines to overcome (K5-Evaluating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
No Records						

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of DEPARTMENT OF ECONOMICS****COURSE SCHEDULE(2020-2023 : ODD Semester)****BDA5A MACRO ECONOMICS-I****Name of the Instructors : DEEPA B****Class : V Sem. - AE****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Explain the concepts of Macroeconomics and its interrelations with Microeconomics	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-02	Macroeconomic Measures of Performance, GDP and Unemployment and Evaluate macro economic performance using indicators that include output measures and unemployment	K3-Appling	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-03	Apply the principle of Macroeconomics in explaining the behaviour of Macroeconomic variables at national as well as global level	K5-Evaluating	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.
CO-04	Extend the concepts of Macroeconomics in unfolding the dynamics of energy sectors.	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-05	Understand why the behaviour of businesses and the rest of the world determine the Aggregate supply of goods and services	K5-Evaluating	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.

Lesson Plan**UNIT I****Course Outcome Statement (CO-01)**

Explain the concepts of Macroeconomics and its interrelations with Microeconomics (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Transition from micro economics to macro economics.	Lecturing	BLACK BOARD	true	2	https://www.imf.org/external/pubs/ft/fandd/basics/bigsmall.htm
	Macro Statics and macro dynamics	Lecturing	BLACK BOARD	true	4	https://www.imf.org/external/pubs/ft/fandd/basics/bigsmall.htm

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT II****Course Outcome Statement (CO-02)**

Macroeconomic Measures of Performance, GDP and Unemployment and Evaluate macro economic performance using indicators that include output measures and unemployment (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	methods of measuring of national income	Lecturing	BLACK BOARD	true	4	https://www.toppr.com › guides › concept-of-national-inc
	Concepts of national income and national income analysis	Lecturing	BLACK BOARD	true	6	https://www.toppr.com › guides › concept-of-national-inc
	Difficulties in measurement of national income	Lecturing	BLACK BOARD	true	3	https://www.toppr.com › guides › concept-of-national-inc

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT III****Course Outcome Statement (CO-03)**

Apply the principle of Macroeconomics in explaining the behaviour of Macroeconomic variables at national as well as global level (K5-Evaluating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Classical theory of output and employment (J.B Say's Law of Markets)	Lecturing	BLACK BOARD	true	3	https://www.investopedia.com › Economy › Economics
	Keynesian Theory of output and employment , Wage rigidity ,Derivation of aggregate Supply curve Aggregate ,Aggregate Expenditure function	Lecturing	BLACK BOARD	true	3	https://www.investopedia.com › Economy › Economics

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT IV****Course Outcome Statement (CO-04)**

Extend the concepts of Macroeconomics in unfolding the dynamics of energy sectors. (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	The consumption function meaning and its technical attributes ,determinants of the consumption function	Lecturing	BLACK BOARD	true	4	https://www.britannica.com/topic/consumption-function
	Keynesian Consumption function, Relative Income hypothesis, Permanent Income Hypothesis Life Cycle Hypothesis.	Lecturing	BLACK BOARD	true	5	https://www.britannica.com/topic/consumption-function

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT V****Course Outcome Statement (CO-05)**

Understand why the behaviour of businesses and the rest of the world determine the Aggregate supply of goods and services (K5-Evaluating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Investment function, induced and autonomous investment and determinants of investment	Lecturing	BOARD	true	3	https://keydifference.com › difference-between-autonom...
	MEC and MEI and rate of interest and factors other than the interest rate affecting Inducement to invest.	Lecturing	BOARD	true	5	https://keydifference.com › difference-between-autonom...

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of DEPARTMENT OF ECONOMICS****COURSE SCHEDULE(2020-2023 : ODD Semester)****BDA5D DEVELOPMENT ECONOMICS****Name of the Instructors : DEEPA B****Class : V Sem. - AE****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	To explain development economic growth theories, international trade development theories, and related economic development theories.	K5-Evaluating	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.
CO-02	Learn hardcore economic prescriptions to development, concerns hitherto relegated to background like education, health, sanitation and infrastructural development	K5-Evaluating	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.
CO-03	To found a place of pride in explaining the preference of various economies.	K6-Creating	Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.
CO-04	To make student aware of the basic theoretical framework underlying the field of Development economics	K3-Applying	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-05	To understand how planning and infrastructure support can develop an economy	K3-Applying	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.

Lesson Plan**UNIT I****Course Outcome Statement (CO-01)**

To explain development economic growth theories, international trade development theories, and related economic development theories. (K5-Evaluating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Factors Contributing to Development and Growth Institutional, Technological, Economic and non-economic factors	Lecturing	BLACK BOARD	true	4	https://prepp.in/new-s/e-492-economic-growth-vs-economic-development-indian-economy-notes
	Introduction of Economic Development , Economic Growth , Distinction between economic growth and economic development	Lecturing	BLACK BOARD	true	5	https://prepp.in/new-s/e-492-economic-growth-vs-economic-development-indian-economy-notes

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT II****Course Outcome Statement (CO-02)**

Learn hardcore economic prescriptions to development, concerns hitherto relegated to background like education, health, sanitation and infrastructural development (K5-Evaluating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Nurkse Theory of Balanced Growth - Hirshman's theory of unbalanced growth	Lecturing	BOARD	true	4	https://www.economicdiscussion.net/unbalanced-growth-theory/balanced-vs-unbalanced-growth-for-economic-development/4636
	Rosenstein Rodan's Big Push Theory, Lewis' dual sector model and Leibenstein's Critical Minimum Effort thesis.	Lecturing	BOARD	true	3	https://www.economicdiscussion.net/unbalanced-growth-theory/balanced-vs-unbalanced-growth-for-economic-development/4636
	Rostow's Stages of Economic growth and Balanced Vs Unbalanced growth	Lecturing	BOARD	true	6	https://www.economicdiscussion.net/unbalanced-growth-theory/balanced-vs-unbalanced-growth-for-economic-development/4636

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT III****Course Outcome Statement (CO-03)**

To found a place of pride in explaining the preference of various economies. (K6-Creating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Issues of Development: Income Distribution and Measuring inequality in income and growth	Lecturing	BOARD	true	2	https://www.oecd.org/els/soc/trends-in-inco..
	The inverted U Hypothesis -Externality and Environmental Kuznet's Curve and Sustainable Development.	Lecturing	BOARD	true	3	https://www.oecd.org/els/soc/trends-in-inco..

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT IV****Course Outcome Statement (CO-04)**

To make student aware of the basic theoretical framework underlying the field of Development economics (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	Head count, Head Count Ratio ,Poverty Gap Ratio ,Lorenz Curve , Gini Coefficient ,Sen's And Index on Poverty Functional Impact of Poverty.	Lecturing	BOARD	true	5	https://sesricdiag.blob.core.windows.net
	Poverty cycle, Conceptual issues, Measurement of Poverty, Range ,Coefficient of Variation .	Lecturing	BOARD	true	4	https://sesricdiag.blob.core.windows.net

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT V****Course Outcome Statement (CO-05)**

To understand how planning and infrastructure support can develop an economy (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
	International trade and economic growth and Import Substitution and Export Promotion Meaning and types of international capital movement	Lecturing	BOARD	true	2	https://www.science-direct.com/topics/computer-science/import-substitution
	Role of Foreign Direct Investment in economic development. Foreign aid and economic development and Types of foreign aid	Lecturing	BOARD	true	5	https://www.science-direct.com/topics/computer-science/import-substitution

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

LESSON PLAN

2022-2023

EVEN SEMESTER

DEPARTMENT OF COMMERCE

DEPARTMENT OF BIOCHEMISTRY

**Department of Department of Commerce****COURSE SCHEDULE(2022-2024 : EVEN Semester)****KD22C CORPORATE LAWS****Name of the Instructors : Alamelu PL****Class : II Sem. -****Course Outcomes:****COM_G**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Explain the concepts of corporate governance, CSR and its implications.	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-02	Compare and contrast the principles of governance in various sector.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Identify the functional procedures of companies with SEBI regulations	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-04	Examine the legal frameworks of The Competition Act 2002, Foreign Exchange Management Act 1999.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	Infer the legal frameworks of Information Technology Act 2000.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.

Lesson Plan**UNIT I****Course Outcome Statement (CO-01)**

Explain the concepts of corporate governance, CSR and its implications. (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Corporate Governance: Principle-agent relationship in the context of governance - issues connected with separation of ownership and control over organisation activity.	Lecturing	Chalk & Board	true	3	https://youtu.be/gcHglotBbOQ
2	Stakeholder analysis (power & interest) using Mendelow matrix and applying it to strategy & governance	Lecturing	Chalk & Board	true	3	https://youtu.be/gcHglotBbOQ
3	CSR and organisation as a corporate citizen in the context of governance.	Lecturing	Chalk & Board	true	2	https://youtu.be/T4pJdwTle1o

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT II****Course Outcome Statement (CO-02)**

Compare and contrast the principles of governance in various sector. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Governance approaches & scope: Role of institutional investors in governance systems	Lecturing	Chalk & Board	true	4	https://youtu.be/Y2Ay5dL1g-A
2	rules v/s principles approach to governance -	Lecturing	Chalk & Board	true	3	https://youtu.be/Y2Ay5dL1g-A
3	Compare & contract the principles of governance in private sector, public sector, charitable trusts and NGOs	Lecturing	Chalk & Board	true	5	https://youtu.be/3RmKW87_KAo

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT III****Course Outcome Statement (CO-03)**

Identify the functional procedures of companies with SEBI regulations (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	SEBI Act 1992 (As amended by the Securities Laws Amendment Act, 2014) - Definitions - Establishment of the Securities and Exchange Board of India-Transfer of Assets and Liabilities etc.,	Lecturing	Chalk & Board	true	6	https://youtu.be/XUn3sRcd1VI
2	Powers and functions of the Board- Registration Certificate - Prohibition-Finance, Accounts and Audit Penalties and Adjudication - Establishment, Jurisdiction, Authority and Procedure of Appellate Tribunal –Miscellaneous	Lecturing	Chalk & Board	true	5	https://youtu.be/XUn3sRcd1VI

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT IV****Course Outcome Statement (CO-04)**

Examine the legal frameworks of The Competition Act 2002, Foreign Exchange Management Act 1999. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	The Competition Act 2002- The Competition (Amendment) Act, 2007 Definition - Prohibition of certain agreements - Abuse of dominant position - Competition Commission of India - Duties, powers and functions of Commission.	Lecturing	Chalk & Board	true	6	https://youtu.be/Jpg_69xMMMU
2	Duties of Director General - Penalties Competition Advocacy -Miscellaneous - Foreign Exchange Management Act 1999- Definition-Regulation and Management of Foreign Exchange - Authorised Person - Contravention and Penalties	Lecturing	Chalk & Board	true	5	https://youtu.be/Jpg_69xMMMU
3	- Adjudication and Appeal-Directorate of Enforcement- Miscellaneous	Lecturing	Chalk & Board	true	2	https://youtu.be/Jpg_69xMMMU

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT V****Course Outcome Statement (CO-05)**

Infer the legal frameworks of Information Technology Act 2000.

(K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Information Technology Act 2000- Definition - Authentication of Electronic Records	Lecturing	Chalk & Board	true	4	https://youtu.be/czDzUP1HclQ
2	Electronic Governance- Secure Electronic Records and Secure Digital Signature- Regulation of Certifying Authorities - Penalties- Adjudication- Miscellaneous	Lecturing	Chalk & Board	true	4	https://youtu.be/czDzUP1HclQ
3	Intellectual Property Rights Copyright Act 1957-Meaning - Copyright Authorities - Infringement of Copyright	Lecturing	Chalk & Board	true	6	https://youtu.be/Bj1_z56VEJ0

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of Department of Commerce****COURSE SCHEDULE(2020-2023 : EVEN Semester)****CZ26B MANAGEMENT ACCOUNTING****Name of the Instructors : Alamelu PL****Class : VI Sem. -****Course Outcomes:****COM_G**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Gain knowledge on management accounting concepts, tools and techniques.	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-02	Ability to use Management Accounting tools to analyse financial statements.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Understanding the relevance of ratio analysis in business organizations.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	Skill to prepare the fund flow and cash flow statements of a business enterprise	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	Competence to prepare different types of budgets and to take managerial decisions by application of marginal costing.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.

Lesson Plan**UNIT I****Course Outcome Statement (CO-01)**

Gain knowledge on management accounting concepts, tools and techniques. (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Introduction: Management Accounting - Meaning- Scope- Importance- Limitations - Management Accounting Vs Cost Accounting – Management Accounting Vs Financial Accounting.	Lecturing	Chalk & Board	true	4	https://youtu.be/6tByxXqs8yY

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
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Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT II****Course Outcome Statement (CO-02)**

Ability to use Management Accounting tools to analyse financial statements. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Financial Statement Analysis: Analysis and Interpretation of Financial Statements – Nature and Significance – Types of Financial Analysis	Lecturing	Chalk & Board	true	2	https://youtu.be/Fe6422ha5PY
2	Tools of Analysis – Comparative Statement - Common size Statement. Short answer problems, illustration and exercise problems.	Lecturing	Chalk & Board	true	5	https://youtu.be/Fe6422ha5PY
3	Trend Analysis- Short answer and exercise problems.	Lecturing	Chalk & Board	true	2	https://youtu.be/Fe6422ha5PY

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT III****Course Outcome Statement (CO-03)**

Understanding the relevance of ratio analysis in business organizations. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Ratio analysis: Meaning – Advantages – Limitations – Types of Ratios- Liquidity ratios, Turnover ratios and Profitability ratios .	Lecturing	Chalk & Board	true	3	https://youtu.be/GoKIZqSFMIE
2	Computation of ratios- Short answer and exercise problems.	Lecturing	Chalk & Board	true	3	https://youtu.be/GoKIZqSFMIE
3	Computation of ratios- Short answer and exercise problems.	Lecturing	Chalk & Board	true	4	https://youtu.be/GoKIZqSFMIE
4	Capital structure ratios -Leverage ratios- Short answer and advanced problems.	Lecturing	Chalk & Board	true	4	https://youtu.be/GoKIZqSFMIE

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT IV****Course Outcome Statement (CO-04)**

Skill to prepare the fund flow and cash flow statements of a business enterprise (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Fund Flow Analysis & Cash Flow Analysis: Introduction, Meaning of Funds Flow Statement- Ascertainment of flow of funds- Technique of preparing funds flow statement. Schedule of Changes in Working Capital- Adjusted Profit and Loss account-Funds Flow Statement- Simple Problems	Lecturing	Chalk & Board	true	4	https://youtu.be/5ilLpvhY5dc
2	Schedule of Changes in Working Capital- Adjusted Profit and Loss account-Funds Flow Statement- Advanced Problems. Meaning of Cash Flow Statements – Advantages – Limitations – Preparation of Cash Flow Statement. Types of Cash flows - Operating, Financing and Investing Cash flows	Lecturing	Chalk & Board	true	5	https://youtu.be/5ilLpvhY5dc
3	Computation of Simple and advanced problems in cash flow statement.	Lecturing	Chalk & Board	true	6	https://youtu.be/5ilLpvhY5dc

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT V****Course Outcome Statement (CO-05)**

Competence to prepare different types of budgets and to take managerial decisions by application of marginal costing.

(K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Budgetary Control & Marginal Costing: Budgetary Control – Meaning – Preparation of various Budgets – Cash Budget - Flexible Budget	Lecturing	Chalk & Board	true	5	https://youtu.be/INnPo0QPXf4
2	Production Budget – Sales Budget. Calculation of short answer and exercise problems	Lecturing	Chalk & Board	true	6	https://youtu.be/INnPo0QPXf4
3	Capital Expenditure Control - Application of Marginal Costing in Decision Making – Make or Buy – Shut down or Continue – Exploring New Markets. Short answer and exercise problems.	Lecturing	Chalk & Board	true	5	https://youtu.be/T0Gdvq7th64

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of Department of Commerce****COURSE SCHEDULE(2021-2024 : EVEN Semester)****CZ24B COMPANY LAW****Name of the Instructors : Alamelu PL****Class : IV Sem. -
COM_G****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Understand the various clauses of companies act	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-03	Understand the appointment and removal of managerial personnel	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-02	Know the procedure for Formation of a company	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	Know the procedures for meetings and resolutions	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	Understand the procedures of winding up of a company	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-06			

Lesson Plan**UNIT 1****Course Outcome Statement (CO-01)**

Understand the various clauses of companies act (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Joint Stock Company Meaning-Kinds of companies -Special Provisions to Private Co., Public Company, One Person Company, Small Company, Dormant Company)	Lecturing	Chalk & Board	true	2	https://youtu.be/DUzYy5kpKro
2	Formation of company – Promoter – Pre incorporation contracts – requirements – incorporation of a company – certificate of incorporation – certificate of commencement of business	Lecturing	Chalk & Board	true	5	https://youtu.be/J-G4RloNI28
3	Conversion of private company in to Public company – conversion	Lecturing	Chalk & Board	true	4	https://youtu.be/vLaHR_qCCmc

Lesson Plan

UNIT 1

Course Outcome Statement (CO-01)

Understand the various clauses of companies act (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
3	of public company in to private company - Memorandum of Association- Contents- Restriction on "Other Objects"- Doctrine of Ultra Vires – Doctrine of indoor management – exceptions	Lecturing	Chalk & Board	true	4	https://youtu.be/vLaHR_qCCmc
4	Articles of Association – Contents - Prospectus-contents- Types (Statement in Lieu of Prospectus, Shelf Prospectus, Red Herring Prospectus) Registration of prospectus – mis-statements in prospectus – Remedies – against the company – against the Directors – Defences available to avoid civil and criminal liability – criminal liability for mis-statement in	Lecturing	Chalk & Board	true	2	https://youtu.be/xlJmABHxnLM

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT II****Course Outcome Statement (CO-02)**

Know the procedure for Formation of a company (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Underwriting-Book Building Process - Green Shoe option- E-Flying – Dematerialisation. Shares – Issue of shares at premium or discount -Types – Voting rights - Partly paid shares – Bonus Shares – Right shares – sweat equity shares	Lecturing	Chalk & Board	true	4	https://youtu.be/qNrZ5wKyo4o
2	Debentures – Meaning–Types – Debenture stock – Debenture trust deed – Debenture redemption reserve	Lecturing	Chalk & Board	true	4	https://youtu.be/qNrZ5wKyo4o

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT III****Course Outcome Statement (CO-03)**

Understand the appointment and removal of managerial personnel

S.No (K1-Remembering)	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
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1	Managerial Personnel - Directors – Ceiling limit on directorship –qualification – disqualification – legal position, Women Directors Appointment of directors - Independent Directors- director Identification Number – Removal of Directors – Powers – Resignation of Directors –Duties -	Lecturing	Chalk & Board	true	4	https://youtu.be/Jx77uhMlhEw
2	Other Key Managerial Personnel- Managing Director – Appointment - Qualification – Remuneration – Manager – Appointment – Qualification - Related Party Transactions	Lecturing	Chalk & Board	true	5	https://youtu.be/Jx77uhMlhEw

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT IV****Course Outcome Statement (CO-04)**

Know the procedures for meetings and resolutions

S.No (K2-Understanding)	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Meetings and Resolutions Meeting – Kinds - Statutory Meeting – Annual general meeting – Time limit – Purpose of meetings – Business transacted at meetings – Agenda –Time and Place - Extraordinary general Meeting - Notice of meeting Quorum- Chairman - Proxy- Board of Directors Meeting	Lecturing	Chalk & Board	true	4	https://youtu.be/lqfWjVYbiz4
2	Committee - Types of Committee- Corporate Social Responsibility committee. Resolutions – Ordinary & Special - Resolution requiring special notice.	Lecturing	Chalk & Board	true	6	https://youtu.be/U87r5essrvw

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT V****Course Outcome Statement (CO-05)**

Understand the procedures of winding up of a company

S.No (K2-Understanding)	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Winding up of company Modes of winding up – winding up by the court – Winding up committee – submission of report by company liquidator – Powers and duties of liquidator – advisory committee	Lecturing	Chalk & Board	true	4	https://youtu.be/bp-O4AG5iLk
2	Voluntary winding up – Types – Members' voluntary winding up – Declaration of solvency – Appointment of liquidator – power and duties	Lecturing	Chalk & Board	true	5	https://youtu.be/vHGQmE4VqhU
3	Preferential payments - Creditors' voluntary winding up- National company Law- Appellate Tribunal	Lecturing	Chalk & Board	true	5	https://youtu.be/vHGQmE4VqhU

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of Department of Commerce****COURSE SCHEDULE(2020-2023 : EVEN Semester)****Program : B.Com General (Shift-I)****Course : CZ26A ADVANCED COST ACCOUNTING****Name of the Instructors : Jayalakshmi S****Class : VI Sem. - COM_G****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Gain knowledge of contract account and prepare statement of contract account.	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-02	Students will solve problems relating to statement of process costing.	K3-Appling	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-03	The students come to know about the various operating costing methods.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	The students will have the clear picture of marginal costing and Break even analysis.	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-05	Acquire knowledge on variance analysis and standard costing.	K5-Evaluating	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.

Lesson Plan**UNIT I****Course Outcome Statement (CO-01)**

Gain knowledge of contract account and prepare statement of contract account. (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Definition – Features of Contract costing – Calculation of Profit on Contracts	Lecturing	CHALK & TALK	true	3	http://youtu.be/eneRHOu4fyY
2	Cost plus Contract – Contract Costing Vs Job Costing	Lecturing	CHALK & TALK	true	3	http://youtu.be/eneRHOu4fyY
3	Preparation of Contract Account – One Contract – Treatment of Plant in Contract Account	Lecturing	CHALK & TALK	true	5	http://youtu.be/eneRHOu4fyY
4	Incomplete Contract account – Valuation of Work Certified - Balance Sheet Extracts	Lecturing	CHALK & TALK	true	6	http://youtu.be/eneRHOu4fyY

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT II****Course Outcome Statement (CO-02)**

Students will solve problems relating to statement of process costing. (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Meaning – Features of Process Costing – Process Loss	Lecturing	CHALK & TALK	true	3	https://youtu.be/rGdjQjKyc9I
2	Normal and Abnormal Loss – Abnormal Gain – Joint Products – By Products	Lecturing	CHALK & TALK	true	3	https://youtu.be/rGdjQjKyc9I
3	Concept of Equivalent Production – Process Accounts – Process Losses and Gains	Lecturing	CHALK & TALK	true	6	https://youtu.be/rGdjQjKyc9I

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT III****Course Outcome Statement (CO-03)**

The students come to know about the various operating costing methods. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Operating Costing – Meaning – preparation Of Operating Cost Sheet	Lecturing	CHALK & TALK	true	6	https://youtu.be/nsXXzu5Xerc
2	Transport Costing – Power Supply Costing – Hospital Costing – Simple Problems	Lecturing	CHALK & TALK	true	5	https://youtu.be/nsXXzu5Xerc
3	Simple Problems – Other Exercise	Lecturing	CHALK & TALK	true	6	https://youtu.be/nsXXzu5Xerc

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT IV****Course Outcome Statement (CO-04)**

The students will have the clear picture of marginal costing and Break even analysis. (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Meaning – Features – Absorption Costing – Marginal Costing Vs Absorption Costing – Contribution	Lecturing	CHALK & TALK	true	5	https://youtu.be/81X5_bmvSDY
2	PV Ratio – Break Even point – Key Factor	Lecturing	CHALK & TALK	true	6	https://youtu.be/81X5_bmvSDY
3	Margin of safety – Preparation of Marginal Cost Statement	Lecturing	CHALK & TALK	true	5	https://youtu.be/81X5_bmvSDY

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT V****Course Outcome Statement (CO-05)**

Acquire knowledge on variance analysis and standard costing. (K5-Evaluating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Definition – Objectives – Advantages – Standard Cost and Estimated Cost Installation of Standard Costing	Lecturing	CHALK & TALK	true	6	https://youtu.be/No5xYP6BpDg
2	Variance analysis – Material, Labour, Overhead, and Sales Variances – Calculation of Variance	Lecturing	CHALK & TALK	true	5	https://youtu.be/No5xYP6BpDg

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of Department of Commerce****COURSE SCHEDULE(2020-2023 : EVEN Semester)****Program : B.Com General (Shift-I)****Course : CZ26A ADVANCED COST ACCOUNTING****Name of the Instructors : Jayalakshmi S****Class : VI Sem. - COM_G****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Gain knowledge of contract account and prepare statement of contract account.	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-02	Students will solve problems relating to statement of process costing.	K3-Appling	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-03	The students come to know about the various operating costing methods.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	The students will have the clear picture of marginal costing and Break even analysis.	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-05	Acquire knowledge on variance analysis and standard costing.	K5-Evaluating	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.

Lesson Plan**UNIT I****Course Outcome Statement (CO-01)**

Gain knowledge of contract account and prepare statement of contract account. (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Definition – Features of Contract costing – Calculation of Profit on Contracts	Lecturing	CHALK & TALK	true	3	http://youtu.be/eneRHOu4fyY
2	Cost plus Contract – Contract Costing Vs Job Costing	Lecturing	CHALK & TALK	true	3	http://youtu.be/eneRHOu4fyY
3	Preparation of Contract Account – One Contract – Treatment of Plant in Contract Account	Lecturing	CHALK & TALK	true	5	http://youtu.be/eneRHOu4fyY
4	Incomplete Contract account – Valuation of Work Certified - Balance Sheet Extracts	Lecturing	CHALK & TALK	true	6	http://youtu.be/eneRHOu4fyY

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of Department of Commerce****COURSE SCHEDULE(2022-2025 : EVEN Semester)****Program : B.Com General (Shift-I)****Course : CZ22B PRINCIPLES OF MANAGEMENT****Name of the Instructors : Jayalakshmi S****Class : II Sem. - COM_G****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	The students will able to understand the concepts of management	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-02	Gain knowledge on planning and decision making in organization.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Ability to understand organization structure and departmentalization.	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-04	Able to describe the authority and responsibility in an organization.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	Learn about Co-ordination and Control, Principles and techniques.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.

Lesson Plan**UNIT I****Course Outcome Statement (CO-01)**

The students will able to understand the concepts of management (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	General Introduction to the Course	Lecturing	CHALK & TALK	true	2	https://youtu.be/tUrjAn24ZiA
2	Meaning- Definition- Importance-Process of management	Lecturing	CHALK & TALK	true	3	https://youtu.be/tUrjAn24ZiA
3	Nature & Scope of Management- Role & functions of managers- Levels of management.	Lecturing	CHALK & TALK	true	4	https://youtu.be/tUrjAn24ZiA
4	Scientific management contributions to management by different schools of thought.	Lecturing	CHALK & TALK	true	3	https://youtu.be/tUrjAn24ZiA

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
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Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT II****Course Outcome Statement (CO-02)**

Gain knowledge on planning and decision making in organization. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Planning- nature, importance, types, objectives & steps in planning. Policies – introduction.	Lecturing	CHALK & TALK	true	4	https://youtu.be/jkO339jJFrE
3	Decision making- Introduction, Process & types. HRM- Meaning, Nature and scope of HRM.	Lecturing	CHALK & TALK	true	5	https://youtu.be/WG30dLhfoOI

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT III****Course Outcome Statement (CO-03)**

Ability to understand organization structure and departmentalization. (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Organisation- Meaning & types, Principles, Formal & Informal organization, Organisation structure & Span of control.	Lecturing	CHALK & TALK	true	4	https://youtu.be/4o6v0XIylzA
2	Departmentalisation- Basis, meaning, importance. Policies- Meaning, Types, Procedures. Forecasting-	Lecturing	CHALK & TALK	true	5	https://youtu.be/4o6v0XIylzA

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT IV****Course Outcome Statement (CO-04)**

Able to describe the authority and responsibility in an organization. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Authority-meaning, Definition, Sources, Limitations, Difference between Authority and	Lecturing	CHALK & TALK	true	4	https://youtu.be/Gi1MhzExRBw
2	Delegation of Authority-Meaning, Principles & importance, Centralization Vs. Decentralization.	Lecturing	CHALK & TALK	true	5	https://youtu.be/Gi1MhzExRBw
3	Leadership & Communication-Introduction, types and methods.	Lecturing	CHALK & TALK	true	4	https://youtu.be/Gi1MhzExRBw

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT V****Course Outcome Statement (CO-05)**

Learn about Co-ordination and Control, Principles and techniques. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Direction-nature,Purpose. Co-ordination-Need,types&	Lecturing	CHALK & TALK	true	4	https://youtu.be/J_Tql2PqF8g
2	Controlling- Meaning, importance, Controlling Process.	Lecturing	CHALK & TALK	true	5	https://youtu.be/J_Tql2PqF8g

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of BIOCHEMISTRY****COURSE SCHEDULE(2022-2025 : EVEN Semester)****SB221 MAJOR PRACTICAL I****Name of the Instructors : Subhashini D****Class : II Sem. -
BCH****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-04	Gain insight into the structure of cell and the process of cell division	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-01	Understand the importance of buffers and their preparation	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-02	Able to analyse concentration of various compounds titrimetrically	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-03	Ability to prepare biochemical compounds like starch and protein from natural resources	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-05			

Lesson Plan**Buffers****Course Outcome Statement (CO-01)**

Understand the importance of buffers and their preparation (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Preparation of standard buffers and determination of pH of solution	Demo	Practical	true	3	Textbook of Practical Biochemistry by Varley

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Titrimetry

Course Outcome Statement (CO-02)

Able to analyse concentration of various compounds titrimetrically (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Estimation of glycine by Sorensen's formal titration	Demo	Practical	true	3	Textbook of Practical Biochemistry by Varley
2	Estimation of Iron	Demo	Practical	true	3	Textbook of Practical Biochemistry by Varley
3	Estimation of Oxalate	Demo	Practical	true	3	Textbook of Practical Biochemistry by Varley
4	Estimation of ascorbic acid	Demo	Practical	true	3	Textbook of Practical Biochemistry by Varley

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan
Biochemical Preparations

Course Outcome Statement (CO-03)

Ability to prepare biochemical compounds like starch and protein from natural resources (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Preparation of starch from potato	Demo	Practical	true	3	Textbook of Practical Biochemistry by Varley
2	Preparation of casein from milk	Demo	Practical	true	3	Textbook of Practical Biochemistry by Varley
3	Preparation of albumin from egg	Demo	Practical	true	3	Textbook of Practical Biochemistry by Varley

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Cell Studies

Course Outcome Statement (CO-04)

Gain insight into the structure of cell and the process of cell division (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Study the cell division in onion root tip	Demo	Practical	true	3	Textbook of Practical Biochemistry by Varley
2	Study the phases of mitosis	Demo	Practical	true	3	Textbook of Practical Biochemistry by Varley
3	Study the stages of meiosis	Demo	Practical	true	3	Textbook of Practical Biochemistry by Varley
4	Study the structure of various cell organelles	Demo	Practical	true	3	Textbook of Practical Biochemistry by Varley
5	BMI measurement	Demo	Practical	true	3	Textbook of Practical Biochemistry by Varley

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of BIOCHEMISTRY****COURSE SCHEDULE(2020-2023 : EVEN Semester)****SB26B MOLECULAR BIOLOGY****Name of the Instructors : Subhashini D****Class : VI Sem. -
BCH****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Gain insight on the Central Dogma of molecular biology & the organization of genes in prokaryotes and eukaryotes	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Ability to describe the process of RNA synthesis, post transcriptional modifications and apply the same to understand the role of antibiotics	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	Develop understanding on the deciphering of genetic code and protein synthesis	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	Comprehend the mechanism of DNA mutation, repair system and the molecular process in disease diagnosis	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	Able to discuss about the molecular basis of DNA synthesis, know the importance of the process, and the role of inhibitors of DNA as drugs	K3-Appling	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-06			

Lesson Plan**Unit : 1****Course Outcome Statement (CO-01)**

Gain insight on the Central Dogma of molecular biology & the organization of genes in prokaryotes and eukaryotes (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Introduction to Molecular Biology, Central Dogma, Structure of DNA & RNA	Lecturing	Board & Chalk	true	2	Cell and Molecular Biology - James D Watson
2	DNA as genetic material - Experimental Proofs for DNA as genetic material . Fredrick. Griffith experiment, Avery, McLeod, McCarty experiment, Hershey and Chase experiment	power Point Presentation	ICT	true	4	Textbook of Molecular Biology - Dr Meera Murugesan & Mrs D Subhashini
3	Organisation of gene - packaging of DNA in the nucleus, different levels of packaging, Proteins involved in	power Point Presentation	ICT	true	2	https://youtu.be/nY4vaMA3NNk

Lesson Plan

Unit : 1

Course Outcome Statement (CO-01)

Gain insight on the Central Dogma of molecular biology & the organization of genes in prokaryotes and eukaryotes (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
3	DNA compaction	power Point Presentation	ICT	true	2	https://youtu.be/nY4vaMA3NNk
4	Structure function of Mitochondrial DNA, plasmid DNA	Seminar	ICT	true	2	Molecular Biology - David Freifelder, Textbook of Molecular Biology - Dr Meera Murugesan & Mrs D Subhashini
5	Genome of bacteriophage (M13, Phage X174), animal virus (influenza virus) and plant virus (TMV virus)with example	Seminar	ICT	true	1	Textbook of Molecular Biology - Dr Meera Murugesan & Mrs D Subhashini
6	Repetitive Sequences in DNA, Satellite DNA, Cot Value	Lecturing	Board & Chalk	true	1	Textbook of Molecular Biology - Dr Meera Murugesan & Mrs D Subhashini

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan
Unit 2 : Replication

Course Outcome Statement (CO-02)

Able to discuss about the molecular basis of DNA synthesis, know the importance of the process, and the role of inhibitors of DNA as drugs (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Replication - introduction to replication	Lecturing	Board & Chalk	true	1	Molecular cell Biology - Lodish
2	Modes of replication - conservative, semi conservative & Dispersive - Experimental evidence : Messelson & Stahl experiment	Lecturing	Board & Chalk	true	2	https://youtu.be/PbKpaLPV9A8
3	Bidirectional replication experimental proof by John Cairn	Lecturing	Board & Chalk	true	2	Molecular cell Biology - Lodish
4	Enzymology of Replication : DNA polymerase enzyme : I, II, III - functions : polymerisation, proof reading, Exonuclease activity	Lecturing	Board & Chalk	true	2	https://youtu.be/FYVuAeGTRx4
5	Phases of replication- Origin of Replication - Ori C	Lecturing	Board & Chalk	true	1	Cell and Molecular Biology - James D Watson
6	Initiation of replication - role of dna A, B & C proteins	Lecturing	Board & Chalk	true	1	Molecular cell Biology - Lodish, Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini
7	Elongation of replication- synthesis of leading and lagging strand - Role of primer & topoisomerase	power Point Presentation	ICT	true	1	Molecular cell Biology - Lodish, https://youtu.be/EYGrEIVyHnU
8	Termination of replication- in circular and linear DNA - Role of telomerase enzyme	power Point Presentation	ICT	true	1	https://youtu.be/2NS0jBPurWQ
9	Inhibitors of replication- different classes of inhibitors, their mechanism of inhibition	power Point Presentation	ICT	true	2	Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan
Unit 3 : Transcription

Course Outcome Statement (CO-03)

Ability to describe the process of RNA synthesis, post transcriptional modifications and apply the same to understand the role of antibiotics (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Transcription - introduction, RNA Polymerase	Lecturing	Board & Chalk	true	3	Gene VII - Benjamin Lewis, Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini
2	Promoter complexes - components of promoter complex, role in transcription of gene	Lecturing	Board & Chalk	true	3	Gene VII - Benjamin Lewis, Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini
3	Phases of transcription - Initiation of transcription- role of sigma factor, formation of open promoter complex and tertiary complex	power Point Presentation	ICT	true	3	Gene VII - Benjamin Lewis, Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini
4	Inhibitors of transcription- mechanism of inhibition of transcription by various groups of inhibitors, Antibiotics as inhibitors	power Point Presentation	ICT	true	2	Molecular cell Biology - Lodish, Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini
5	Post translational modification of tRNA, rRNA & mRNA	Lecturing	Board & Chalk	true	2	Molecular cell Biology - Lodish

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan
Unit 4 : Translation

Course Outcome Statement (CO-04)

Develop understanding on the deciphering of genetic code and protein synthesis (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Concept of Codons, Genetic code, characteristic features of Genetic code	Lecturing	Board & Chalk	true	1	Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini
2	Deciphering of genetic code - Homopolymer, Heteropolymer & Tripolymer method - experiments for cracking of genetic code	Seminar	ICT	true	1	Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini
3	Protein synthesis (Translation process) - role of tRNA , mRNA & ribosomes, Codon - anti codon concept, role of tRNA, Wobble hypothesis	power Point Presentation	ICT	true	1	Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini, Molecular cell Biology - Lodish
4	Phases of protein synthesis - activation of amino acids for protein synthesis	power Point Presentation	ICT	true	1	Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini, Gene VII - Benjamin Lewis
5	Initiation, elongation and termination of protein synthesis - role of GTP and various factors, release factor	power Point Presentation	ICT	true	1	Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini
6	Inhibitors of protein synthesis - mechanism of inhibition by various inhibitors, antibiotics as inhibitors, Post translational Modifications in protein	power Point Presentation	ICT	true	2	Cell and Molecular Biology - James D Watson, Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 5 : DNA Repair & Molecular Diagnostic Techniques

Course Outcome Statement (CO-05)

Comprehend the mechanism of DNA mutation, repair system and the molecular process in disease diagnosis (K2-

Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	DNA damage - types of damage - mismatch bases, base analogues, incorrect base, breaks in DNA- single strand & double strand breaks	Lecturing	Board & Chalk	true	3	Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini
2	Repair of DNA damage - photoreactivation , Mismatch repair	Lecturing	Board & Chalk	true	3	Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini, Molecular cell Biology - Lodish
3	Excision repair, recombinant repair & SOS repair	Lecturing	Board & Chalk	true	3	Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini, Molecular Biology - David Freifelder
4	Mutation- definition, mutagenesis, hot spots of mutation	Lecturing	Board & Chalk	true	1	Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini
5	Mutagens - chemical, physical & biological mutagens	power Point Presentation	ICT	true	1	Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini
6	Classification of mutation - different types of classification, Mutation based on origin, type of cell, direction, effect on phenotype, change in amino acid sequence.	power Point Presentation	ICT	true	3	Textbook of Molecular Biology –Dr Meera Murugesan & Mrs D Subhashini

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of BIOCHEMISTRY****COURSE SCHEDULE(2020-2023 : EVEN Semester)****SB261 BIOCHEMISTRY PRACTICAL III****Name of the Instructors : Subhashini D****Class : VI Sem. -
BCH****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Understand the clinical importance of normal and abnormal constituents in urine sample	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-02	Able to analyse the concentration of important biomolecules in biological samples (Blood/Urine)	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-03	Ability to determine the activity of various enzymes in serum and to interpret their clinical significance	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-04	Gain insight in various hematological studies and their importance in diagnosis	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-05			

Lesson Plan**Colorimetric Analysis****Course Outcome Statement (CO-02)**

Able to analyse the concentration of important biomolecules in biological samples (Blood/Urine) (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Estimation of urea in blood and urine sample	Demo	Practical	true	3	Practical Biochemistry by Varley
2	Estimation of creatinine in blood and urine sample	Demo	Practical	true	3	Practical Biochemistry by Varley
3	Estimation of glucose in blood	Demo	Practical	true	3	Practical Biochemistry by Varley
4	Estimation of cholesterol in blood	Demo	Practical	true	3	Practical Biochemistry by Varley
5	Estimation of protein by Lowry method	Demo	Practical	true	3	Practical Biochemistry by Varley
6	Determination of A/G ratio in blood	Demo	Practical	true	3	Practical Biochemistry by Varley
7	Estimation of hemoglobin in blood	Demo	Practical	true	3	Practical Biochemistry by Varley
8	Estimation of calcium in urine	Demo	Practical	true	3	Practical Biochemistry by Varley
9	Estimation of uric acid in urine	Demo	Practical	true	3	Practical Biochemistry by

Lesson Plan
Colorimetric Analysis

Course Outcome Statement (CO-02)

Able to analyse the concentration of important biomolecules in biological samples (Blood/Urine) (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
9	Estimation of uric acid in urine	Demo	Practical	true	3	Varley

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan
Urine Analysis

Course Outcome Statement (CO-01)

Understand the clinical importance of normal and abnormal constituents in urine sample (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Analyse the normal and abnormal constituents in urine sample	Demo	Practical	true	3	Practical Biochemistry by Varley

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Enzyme assay

Course Outcome Statement (CO-03)

Ability to determine the activity of various enzymes in serum and to interpret their clinical significance (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Assay the activity of the enzymes SGOT & SGPT	Demo	Practical	true	3	Practical Biochemistry by Varley
2	Assay the activity of the enzyme ALP	Demo	Practical	true	3	Practical Biochemistry by Varley

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan
Haematological Studies

Course Outcome Statement (CO-04)

Gain insight in various hematological studies and their importance in diagnosis (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	RBC & WBC Count	Demo	Practical	true	3	Practical Biochemistry by Varley
2	Determination of Packed cell volume	Demo	Practical	true	1	Practical Biochemistry by Varley
3	Determination of ESR	Demo	Practical	true	1	Practical Biochemistry by Varley
4	Determination of blood clotting time	Demo	Practical	true	1	Practical Biochemistry by Varley
5	Blood grouping	Demo	Practical	true	1	Practical Biochemistry by Varley

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of BIOCHEMISTRY****COURSE SCHEDULE(2022-2025 : EVEN Semester)****SB22A MAJOR – CELL BIOLOGY****Name of the Instructors : Latha C****Class : II Sem. -
BCH****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Ability to understand the structure and basic components of prokaryotic and eukaryotic cells	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	Able to comprehend different organelles and their functions	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Relate the structure and functions of biomembrane and cytoskeletal elements to membrane transport	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	Acquire insight on the process underlying mitotic and meiotic cell divisions	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	Understand the nature of cancer and principles underlying anti-cancer therapies	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-06			

Lesson Plan**Unit 1****Course Outcome Statement (CO-01)**

Ability to understand the structure and basic components of prokaryotic and eukaryotic cells (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Cell theory, cell as basic unit of life. Cell size, shape. Prokaryotic cells - origin, general features, example, cell wall, cell organelles	Lecturing	Chalk and Board	true	2	1. Verma, P.S. and V.K. Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology
2	Eukaryotic cells - general features, example, cell membrane, organelles, cellular specialisation and differentiation	Lecturing	Chalk and Board	true	2	1. Verma, P.S. and V.K. Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology
3	Differences in plant and animal cells. Difference between Prokaryotic and eukaryotic cell	Lecturing	Chalk and Board	true	2	1. Verma, P.S. and V.K. Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology,

Lesson Plan

Unit 1

Course Outcome Statement (CO-01)

Ability to understand the structure and basic components of prokaryotic and eukaryotic cells (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
3	Differences in plant and animal cells. Difference between Prokaryotic and eukaryotic cell	Lecturing	Chalk and Board	true	2	Evolution and Ecology

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**Unit 2****Course Outcome Statement (CO-02)**

Able to comprehend different organelles and their functions (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Plasma membrane-models, structure and function. Rough and smooth Endoplasmic Reticulum-structure, types, characteristics and functions	Lecturing	Chalk and Board	true	2	1. Verma, P.S.and V.K.Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology.
2	Nucleus- structure, characteristics, nuclear membrane and functions; Mitochondra - Structure, mitochondrial membrane, cristae, grana and functions; Lysosomes - structure, lysosomal enzymes and functions; Golgi apparatus - structure, cis and trans, transport and functions.	Lecturing	Chalk and Board	true	2	1. Verma, P.S.and V.K.Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology.
3	Ribosomes-Structure, types, attachment with ER and functions; Peroxisome and glyoxysome - structure and function; Chloroplast-origin, structure and function	Lecturing	Chalk and Board	true	2	1. Verma, P.S.and V.K.Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology.

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of BIOCHEMISTRY****COURSE SCHEDULE(2021-2024 : EVEN Semester)****SW3AB ALLIED – ZOOLOGY II****Name of the Instructors : Latha C****Class : IV Sem. -
BCH****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	• Understand the molecular structure of animal cell and functions of important cell organelles.	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-02	• Able to describe the basic concept of inheritance and structure of nucleic acids.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	• Ability to comprehend the concept of developmental stages in animals.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	• Explore salient features of various theories of evolution comprising of Lamarckism, Neo-Lamarckism, Darwinism and Neo-Darwinism	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	• Gain knowledge about human organ systems and their physiological role.	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-06			

Lesson Plan**Unit 1****Course Outcome Statement (CO-01)**

- Understand the molecular structure of animal cell and functions of important cell organelles. (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Discussion About Syllabus - Introduction of cell biology - Ultrastructure of animal cell and functions. Structure and functions of Golgi bodies	Lecturing	Chalk and Board	true	3	1. Verma, P.S.and V.K.Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology
2	Structure and functions of nucleus and nucleolus. Structure and functions of ribosomes	Lecturing	Chalk and Board	true	2	1. Verma, P.S.and V.K.Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology.
3	Introduction of Genetics - Mendelians laws of inheritance. Molecular structure of DNA.	Lecturing	Chalk and Board	true	2	1. Verma, P.S.and V.K.Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology,

Lesson Plan

Unit 1

Course Outcome Statement (CO-01)

- Understand the molecular structure of animal cell and functions of important cell organelles. (K1-Remembering)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
3	Introduction of Genetics - Mendelians laws of inheritance. Molecular structure of DNA.	Lecturing	Chalk and Board	true	2	Physiology, Evolution and Ecology.
4	Multiple alleles-Blood group Inheritance	Lecturing	Chalk and Board	true	2	1. Verma, P.S.and V.K.Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology.

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 2

Course Outcome Statement (CO-02)

- Able to describe the basic concept of inheritance and structure of nucleic acids. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Developmental Biology: Introduction of Embryology and Gametogenesis- gametes, spermatogenesis	Lecturing	Chalk and Board	true	3	1. Verma, P.S. and V.K. Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology.
2	Fertilisation - Cleavage	Lecturing	Chalk and Board	true	3	1. Verma, P.S. and V.K. Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology.
3	Gastrulation of chick.	Lecturing	Chalk and Board	true	2	1. Verma, P.S. and V.K. Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology.

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 4

Course Outcome Statement (CO-04)

- Gain knowledge about human organ systems and their physiological role. (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Environmental Biology: Hydrosphere and Lithosphere Physico-Chemical factors –	Lecturing	Chalk and Board	true	2	1. Verma, P.S. and Agarwal, V.K. (1983). Animal Ecology, S. Chand & Co., New Delhi.
2	Bio-geo chemical cycles-Carbon, Oxygen, Nitrogen and Phosphorus Cycle,	Lecturing	Chalk and Board	true	3	1. Verma, P.S. and Agarwal, V.K. (1983). Animal Ecology, S. Chand & Co., New Delhi.
3	Environmental Degradation - Treatment methods on sewage, effluents – Green house effect.	Lecturing	Chalk and Board	true	3	1. Verma, P.S. and Agarwal, V.K. (1983). Animal Ecology, S. Chand & Co., New Delhi.

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 3

Course Outcome Statement (CO-03)

- Ability to comprehend the concept of developmental stages in animals. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Human Physiology - Introduction of Physiology, Digestion-structure, Components, process - enzymes and GIT hormones - Absorption	Lecturing	Chalk and Board	true	2	1. Verma, P.S. and V.K. Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology
2	Excretion - structure and function of kidney and nephron. kidney failure and Transplantation of Kidney.	Lecturing	Chalk and Board	true	2	1. Verma, P.S. and V.K. Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology
3	Circulation - Components - Structure of heart, composition of blood, Blood clotting- Blood pressure Heart diseases – Ischemia, Myocardial infarction, Rheumatic heart disease.	Lecturing	Chalk and Board	true	3	1. Verma, P.S. and V.K. Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology.
4	Endocrine glands- Hormones and feedback mechanism - Pituitary-Thyroid - Physiological functions. Structure and functions of Pancreas - Adrenal and sex hormones	Lecturing	Chalk and Board	true	4	1. Verma, P.S. and V.K. Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology.

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 5

Course Outcome Statement (CO-05)

- Explore salient features of various theories of evolution comprising of Lamarckism, Neo-Lamarckism, Darwinism and Neo-Darwinism (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Evolution – Lamarkism and Neo-Lamarckism – Darwinism and Neo-Darwinism.	Lecturing	Chalk and Board	true	4	1. Verma, P.S.and V.K.Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology.
2	Mimicry and Colouration	power Point Presentation	ICT	true	3	1. Verma, P.S.and V.K.Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology.
3	Speciation - Factors responsible for speciation.	Lecturing	Chalk and Board	true	4	1. Verma, P.S.and V.K.Agarwal, 2010 Reprint, Cell Biology, Genetics, Molecular Biology, Physiology, Evolution and Ecology.

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of BIOCHEMISTRY****COURSE SCHEDULE(2021-2024 : EVEN Semester)****SW3A1 ALLIED ZOOLOGY PRACTICAL****Name of the Instructors : Latha C****Class : IV Sem. -
BCH****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	• To dissect and mount an invertebrate specimen and understand its anatomical features	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	Students will able to mount an invertebrate and vertebrate specimens and understand its anatomical features	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Students will able to gain knowledge in the morphological structures of various animal phyla through specimens	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04			

Lesson Plan**UNIT1****Course Outcome Statement (CO-01)**

- To dissect and mount an invertebrate specimen and understand its anatomical features (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Cockroach: Digestive system, Cockroach: Nervous system	Demo	Chalk and Board	true	3	1. A manual of practical Zoology - Invertebrata Verma, P.S.and V.K.Agarwal. 2. A manual of practical Zoology - Chordates - Verma, P.S.and V.K.Agarwal

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT 2****Course Outcome Statement (CO-02)**

Students will be able to mount an invertebrate and vertebrate specimens and understand its anatomical features (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	1. Mouth parts of cockroach. 2. Mouth parts of Mosquito. 3. Shark placoid scale	Demo	Chalk and Board	true	3	1. A manual of practical Zoology - Invertebrata Verma, P.S.and V.K.Agarwal. 2. A manual of practical Zoology - Chordates - Verma, P.S.and V.K.Agarwal

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

UNIT 3

Course Outcome Statement (CO-03)

Students will be able to gain knowledge in the morphological structures of various animal phyla through specimens (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Protozoa : 1. Entamoeba histolytica 2. Plasmodium vivax 3. Paramecium caudatum Porifera : 4. Scypha (sycon) Coelenterata : 5. Obelia geniculata	Demo	specimens	true	3	1. A manual of practical Zoology - Invertebrata Verma, P.S.and V.K.Agarwal.
2	Platyhelminthes : 6. Taenia solium Aschelminthes : 7. Ascaris Annelida : 8. Earth Worm Arthropoda : 9. Prawn	Demo	specimens	true	3	1. A manual of practical Zoology - Invertebrata Verma, P.S.and V.K.Agarwal.
3	Mollusca : 10. Fresh Water Mussel. Echinodermata : 11. Star fish. Prochordates : 12. Amphioxus	Demo	specimens	true	3	1. A manual of practical Zoology - Invertebrata Verma, P.S.and V.K.Agarwal.
4	vertebrate spotters Pisces : 13. Shark Amphibia : 14. Frog Reptilia : 15. Calotes Aves : 16. Pigeon Mammalia : 17. Rabbit.	Demo	specimens	true	3	1. A manual of practical Zoology - Invertebrata Verma, P.S.and V.K.Agarwal.

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of BIOCHEMISTRY****COURSE SCHEDULE(2021-2024 : EVEN Semester)****ENV4B ENVIRONMENTAL STUDIES****Name of the Instructors : Latha C****Class : IV Sem. -
BCH****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-02	Predict the effects of human behaviour on the global economy the quality of human life and the web of life	K1-Remembering	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.
CO-01	understand the natural system that support life and the economy	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Develop critical thinking skills to help you create scientific , social ,economic and legal strategies for biodiversity conservation, social justice and sustainable development.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	Develop the values and attitudes necessary to comprehend complex environment.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	Adopt sustainability as a way of life , a way of society.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-06			

Lesson Plan**Unit 5****Course Outcome Statement (CO-05)**

Adopt sustainability as a way of life , a way of society. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Environmental pollution: types, causes, effects and controls: Air, Water	Lecturing	Chalk and Board	true	2	1. Arumugan N and Kumaresan V, Environmental studies, Saras publications.
2	Environmental pollution: types, causes, effects and controls: Soil and noise	Lecturing	Chalk and Board	true	2	1. Arumugan N and Kumaresan V, Environmental studies, Saras publications.
3	Nuclear hazards and human health risks	Group Discussion	Chalk and Board	true	2	1. Arumugan N and Kumaresan V, Environmental studies, Saras publications.
4	Solid waste management: Control measures of urban and industrial waste	Lecturing	Chalk and Board	true	2	1. Arumugan N and Kumaresan V, Environmental studies, Saras publications.

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 6

Course Outcome Statement (CO-05)

Adopt sustainability as a way of life , a way of society. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Environment Laws: Environment Protection Act, Air (Prevention & Control of Pollution) Act.	Lecturing	Chalk and Board	true	2	1. Arumugan N and Kumaresan V, Environmental studies, Saras publications.
2	Water (Prevention and Control of Pollution) Act. Wildlife Protection Act; Forest Conservation Act.	Group Discussion	Chalk and Board	true	2	1. Arumugan N and Kumaresan V, Environmental studies, Saras publications.
3	International agreements: Montreal and Kyoto protocols and Convention on Biological Diversity (CBD	Lecturing	Chalk and Board	true	2	1. Arumugan N and Kumaresan V, Environmental studies, Saras publications.
4	Nature reserves, tribal populations and rights, and human Wildlife conflicts in Indian context.	Group Discussion	Chalk and Board	true	2	1. Arumugan N and Kumaresan V, Environmental studies, Saras publications.

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 7

Course Outcome Statement (CO-05)

Adopt sustainability as a way of life , a way of society. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Human population growth, impacts on environment, human health and welfare.	Group Discussion	Chalk and Board	true	2	1. Arumugan N and Kumaresan V, Environmental studies, Saras publications.
2	Resettlement and rehabilitation of projects affected persons; case studies	Lecturing	Chalk and Board	true	2	1. Arumugan N and Kumaresan V, Environmental studies, Saras publications.
3	Disaster management: floods, earthquake, cyclone and landslides. Environmental movements : Chipko, Silent Valley, Bishnois of Rajasthan	Lecturing	Chalk and Board	true	2	1. Arumugan N and Kumaresan V, Environmental studies, Saras publications.
4	Environmental ethics : Role of Indian and other religions and cultures in environmental conservation.	Group Discussion	Chalk and Board	true	2	1. Arumugan N and Kumaresan V, Environmental studies, Saras publications.
5	Environmental communication and public awareness, case studies(e.g. CNG Vehicles in Delhi)	Lecturing	Chalk and Board	true	2	1. Arumugan N and Kumaresan V, Environmental studies, Saras publications.

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of BIOCHEMISTRY****COURSE SCHEDULE(2020-2023 : EVEN Semester)****SB46B BIOTECHNOLOGY****Name of the Instructors : Latha C****Class : VI Sem. -
BCH****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	<ul style="list-style-type: none"> Acquire basic knowledge of recombinant DNA technology, DNA manipulation in prokaryotes and eukaryotes and engineering of DNA molecules using restriction enzymes. 	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	<ul style="list-style-type: none"> Get acquainted with the use of cloning vectors, creation of genomic and cDNA libraries and their applications. 	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	<ul style="list-style-type: none"> Understand the basics of tissue culture, transgenesis and stem cell technology. 	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	<ul style="list-style-type: none"> Understand the risks and safety aspects and patenting in biotechnology. 	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	<ul style="list-style-type: none"> Perceive the methods of transgenic plants production using recombinant DNA technology and the applications of engineered plant products. 	K5-Evaluating	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.
CO-06			

Lesson Plan**UNIT III****Course Outcome Statement (CO-03)**

- Perceive the methods of transgenic plants production using recombinant DNA technology and the applications of engineered plant products. (K5-Evaluating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Plant genetic engineering: gene isolation, gene transfer systems, Ti plasmid, plant virus vectors,	Lecturing	Chalk and Board	true	2	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.
2	Electroporation, microinjection, microprojectile technology, gene expression, regeneration.	Lecturing	Chalk and Board	true	2	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.
3	Applications - Resistance to biotic stress - insect resistance and virus resistance. Resistance to abiotic stress -	Lecturing	Chalk and Board	true	3	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.

Lesson Plan

UNIT III

Course Outcome Statement (CO-03)

- Perceive the methods of transgenic plants production using recombinant DNA technology and the applications of engineered plant products. (K5-Evaluating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
3	Herbicide resistance. Improved nutrition - Golden rice. Production of low cost Pharmaceuticals - Production of edible vaccines.	Lecturing	Chalk and Board	true	3	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

null

Course Outcome Statement (CO-04)

- Understand the basics of tissue culture, transgenesis and stem cell technology. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Tissue culture – Culture media, Plant tissue culture, protoplast culture, protoplast fusion and regeneration, embryo rescue - techniques and applications.	Lecturing	Chalk and Board	true	2	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.
2	Animal cell lines and organ culture - culture methods and applications. Transgenic animals: transgenic mice Production and its applications. Stem cell technology: definition, types, culture and applications.	power Point Presentation	ICT	true	2	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

UNIT 1

Course Outcome Statement (CO-01)

- Acquire basic knowledge of recombinant DNA technology, DNA manipulation in prokaryotes and eukaryotes and engineering of DNA molecules using restriction enzymes. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Syllabus - Introduction of biotechnology. Scope and importance of biotechnology	Lecturing	Chalk and Board	true	2	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.
2	Introduction About Recombinant DNA technology - Principles of gene cloning: restriction endonucleases and other enzymes used in manipulating DNA molecules.	Lecturing	Chalk and Board	true	2	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.
3	Ligation of DNA molecules, DNA ligase, linkers and adapters, homopolymer tailing. Plasmids and bacteriophages as vectors for gene cloning - Cloning vectors based on E. coli plasmids, pBR322, pUC8. Cloning vectors based on M13 and ? bacteriophage.	Lecturing	Chalk and Board	true	3	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.
4	Enzymes used in rDNA technology - DNA ligases, Alkaline phosphatase, polynucleotide kinase, linkers, homopolymer tailing.	Lecturing	Chalk and Board	true	2	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**UNIT 2****Course Outcome Statement (CO-02)**

- Get acquainted with the use of cloning vectors, creation of genomic and cDNA libraries and their applications. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Uptake of DNA by cells, Selection and identification for transformed cells - colony hybridization, screening with antibodies.	Lecturing	Chalk and Board	true	2	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.
2	Construction of genomic library. Synthesis of cDNA, Construction of cDNA library.	Lecturing	Chalk and Board	true	2	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.
3	Production of recombinant pharmaceuticals such as insulin, human growth hormone, factor VIII and Recombinant vaccines.	Lecturing	Chalk and Board	true	2	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.
4	PCR –Principle, Steps, Types and its application in clinical diagnosis and forensic science.	power Point Presentation	ICT	true	2	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.
5	Southern blotting, Northern blotting and DNA finger printing Technique and their applications.	Lecturing	Chalk and Board	true	2	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 5

Course Outcome Statement (CO-05)

- Understand the risks and safety aspects and patenting in biotechnology. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Fermentation technology – Fermentors - general design, fermentation processes - Media used, downstream processing.	power Point Presentation	ICT	true	2	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.
2	Production and applications of ethanol, streptomycin, and Proteases.	Lecturing	Chalk and Board	true	2	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.
3	Biotechnology and society: safety, legal, social and ethical aspects of biotechnology. Patenting biotechnological inventions.	Lecturing	Chalk and Board	true	3	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 4

Course Outcome Statement (CO-04)

- Understand the basics of tissue culture, transgenesis and stem cell technology. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Tissue culture – Culture media, Plant tissue culture, protoplast culture, protoplast fusion and regeneration, embryo rescue - techniques and applications.	Lecturing	Chalk and Board	true	2	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.
2	Animal cell lines and organ culture - culture methods and applications. Transgenic animals: transgenic mice Production and its applications. Stem cell technology: definition, types, culture and applications.	power Point Presentation	ICT	true	2	1. Satyanarayana U (2008), Biotechnology, Books & Allied (P) Ltd.

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of BIOCHEMISTRY****COURSE SCHEDULE(2022-2025 : EVEN Semester)****SB22A MAJOR – CELL BIOLOGY****Name of the Instructors : Anna Sheba L****Class : II Sem. -
BCH****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Ability to understand the structure and basic components of prokaryotic and eukaryotic cells	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	Able to comprehend different organelles and their functions	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Relate the structure and functions of biomembrane and cytoskeletal elements to membrane transport	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	Acquire insight on the process underlying mitotic and meiotic cell divisions	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	Understand the nature of cancer and principles underlying anti-cancer therapies	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-06			

Lesson Plan**Unit 3****Course Outcome Statement (CO-03)**

Relate the structure and functions of biomembrane and cytoskeletal elements to membrane transport (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Membrane- Introduction, chemical composition and properties	power Point Presentation	ICT	true	1	https://youtu.be/2pPNOrFWepk
2	Membrane -Different models and their limitations	power Point Presentation	ICT	true	2	https://youtu.be/2pPNOrFWepk
3	Fluid mosaic model and their properties. Functions of plasma membrane	power Point Presentation	ICT	true	2	P.S. Verma and V.K Aggarwal. (2014) Cell Biology, Genetics, Molecular Biology, Evolution and Ecology
4	Transport across membrane – passive diffusion, active transport, antiport, symport and uniport	power Point Presentation	ICT	true	3	https://youtu.be/J5pWH1r3pgU
5	Vesicular transport, osmosis, proton pump, Na ⁺ -K ⁺ pump, water channel	power Point Presentation	ICT	true	3	P.S. Verma and V.K Aggarwal. (2014) Cell Biology, Genetics, Molecular

Lesson Plan**Unit 3****Course Outcome Statement (CO-03)**

Relate the structure and functions of biomembrane and cytoskeletal elements to membrane transport (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
5	Vesicular transport, osmosis, proton pump, Na ⁺ -K ⁺ pump, water channel	power Point Presentation	ICT	true	3	Biology, Evolution and Ecology
6	Cytoskeletal elements – microfilaments and intranuclear filaments	Lecturing	Chalk and Board	true	3	https://youtu.be/wmxudc1z-B0

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 4

Course Outcome Statement (CO-04)

Acquire insight on the process underlying mitotic and meiotic cell divisions (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Chromosomes-structure, types and functions	power Point Presentation	ICT	true	1	P.S. Verma and V.K Aggarwal. (2014) Cell Biology, Genetics, Molecular Biology, Evolution and Ecology
2	Polytene chromosomes and lampbrush chromosomes	Lecturing	Chalk and Board	true	1	https://youtu.be/TJfPbtXmngs
3	Cell division-Introduction, types	Lecturing	Chalk and Board	true	1	P.S. Verma and V.K Aggarwal. (2014) Cell Biology, Genetics, Molecular Biology, Evolution and Ecology
4	Mitosis-Phases and significance	power Point Presentation	ICT	true	1	https://youtu.be/f-ldPgEfAHI
5	Meiosis-Phases and significance	power Point Presentation	ICT	true	1	https://youtu.be/kQu6Yfrr6j0
6	Phases of cell cycle	Lecturing	Chalk and Board	true	1	https://youtu.be/5VyQNcH3ZL0

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 5

Course Outcome Statement (CO-05)

Understand the nature of cancer and principles underlying anti-cancer therapies (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Introduction to cancer cells	Lecturing	Chalk and Board	true	1	https://youtu.be/Ghf rHjBX5eA
2	Differences between benign and malignant tumours	Lecturing	Chalk and Board	true	1	Text book of Medical Biochemistry - MN Chatterjee and Rana Shinde
3	Agents causing cancer- Physical, chemical, Biological	Seminar	Chalk and Board	true	1	Text book of Medical Biochemistry - MN Chatterjee and Rana Shinde
4	Cancer therapy – Surgery, radiation, chemotherapy. Cancer prevention.	Lecturing	Chalk and Board	true	1	Text book of Medical Biochemistry - MN Chatterjee and Rana Shinde

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of BIOCHEMISTRY****COURSE SCHEDULE(2021-2024 : EVEN Semester)****SB24A MAJOR – BIOMOLECULES AND BIOCHEMICAL TECHNIQUES****Name of the Instructors : Anna Sheba L****Class : IV Sem. -
BCH****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Gain insight into the classes of lipids, characterization of fats and their biological roles	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	Comprehend the structure and biological role of sterols and phospholipids	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Ability to establish the role of purine and pyrimidine bases in nucleic acid structure	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	Acquire knowledge on various centrifugation types and its applications	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	Able to describe and discuss the principle, instrumentation and the difference between various spectroscopic methods for analyzing biological samples	K3-Applying	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-06			

Lesson Plan**Unit 1****Course Outcome Statement (CO-01)**

Gain insight into the classes of lipids, characterization of fats and their biological roles (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Lipids - Chemical nature, biological functions and classification	Lecturing	Chalk and Board	true	3	https://youtu.be/dKT_9AjO9BE
2	Classification – saturated, unsaturated, hydroxy and cyclic fatty acids, nomenclature, structure and properties of fatty acids	Lecturing	Chalk and Board	true	3	https://youtu.be/ocdoldict3M
3	Characterization of fats – iodine value, saponification value, acid number, acetyl number, Polensky number, Reichert-Meissl number. Isolation of fat –Folch method & Identification	Lecturing	Chalk and Board	true	1	Text book of Biochemistry - JL Jain

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**Unit 2****Course Outcome Statement (CO-02)**

Comprehend the structure and biological role of sterols and phospholipids (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Simple and mixed triglycerides – structure and general properties	Lecturing	Chalk and Board	true	2	Text book of Biochemistry - JL Jain
2	Simple and mixed triglycerides – structure and general properties	Lecturing	Chalk and Board	true	2	https://youtu.be/Hf_sylfUQZc
3	Lipoproteins: general structure, classification: chylomicrons, VLDL, LDL, IDL, HDL – composition and biological roles. Sulfolipids & glycolipids	Lecturing	Chalk and Board	true	2	https://youtu.be/M4jgS7ZgJP8
4	Sterols – structure of cyclo pentane perhydro phenanthrene nucleus. Animal sterol: cholesterol - properties and functions. Plant sterol : stigmasterol – Functions, Ergosterol: Functions	Lecturing	Chalk and Board	true	2	https://youtu.be/jtin7jRz2Z8

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 3

Course Outcome Statement (CO-03)

Ability to establish the role of purine and pyrimidine bases in nucleic acid structure (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Structure of purine and pyrimidine bases	Lecturing	Chalk and Board	true	2	https://youtu.be/9hUAZJQrW5A
2	Nucleosides and nucleotides and their biological importance. Function of nucleotides - source of energy, component of coenzymes, second messengers	Seminar	Chalk and Board	true	2	Textbook of Blochemisry - JL Jain
3	Types of DNA: A, B, C, Z DNA, structure and biological significance, superhelicity	Seminar	ICT	true	2	Textbook of Blochemisry - JL Jain
4	Types of RNA: mRNA, tRNA, rRNA, hnRNA, snRNA-location and role.	Seminar	ICT	true	2	Textbook of Blochemisry - JL Jain
5	Secondary and tertiary structure of tRNA	Seminar	ICT	true	2	Textbook of Blochemisry - JL Jain
6	Properties of DNA – hypochromic and hyperchromic effect, melting temperature, viscosity. Denaturation and annealing.	Seminar	Chalk and Board	true	2	Textbook of Blochemisry - JL Jain
7	Salient features of prokaryotic and eukaryotic RNA. RNA as a genetic material	Seminar	Chalk and Board	true	2	Text book of Blochemisry - JL Jain

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 4

Course Outcome Statement (CO-04)

Acquire knowledge on various centrifugation types and its applications (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Basic principles of sedimentation, centrifugal force, centripetal force, sedimentation rate	Lecturing	Chalk and Board	true	2	Practical Biochemistry (V Edition)- Keith Wilson & John Walker
2	Types of centrifuges, types of rotors – fixed angle, vertical, swinging bucket, zonal, Elutriator rotors	Lecturing	Chalk and Board	true	2	https://youtu.be/Mado_8a81tw
3	Preparative centrifugation – differential centrifugation – fractionation of subcellular organelles.	power Point Presentation	ICT	true	1	Practical Biochemistry (V Edition)- Keith Wilson & John Walker
4	Density gradient centrifugation – gradient preparation, separation and Recovery of sample.	Lecturing	Chalk and Board	true	1	https://youtu.be/D9Th5N-ubJ8
5	Isopycnic centrifugation, analytical centrifugation-techniques and Applications	Lecturing	Chalk and Board	true	2	https://youtu.be/5Q7Xo9Avzy0

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 5

Course Outcome Statement (CO-05)

Able to describe and discuss the principle, instrumentation and the difference between various spectroscopic methods for analyzing biological samples (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Basic principles of electromagnetic radiation, energy, wavelength, wave number and frequency. Absorption and emission spectrum.	Lecturing	Chalk and Board	true	2	https://youtu.be/yTabfxvMdCM
2	Spectrophotometry- (UV and Visible) principle, instrumentation and applications	power Point Presentation	ICT	true	2	https://youtu.be/pxC6F7bK8CU
3	Spectrofluorimetry- principle, instrumentation and applications with reference to riboflavin.	power Point Presentation	ICT	true	2	https://youtu.be/awrN615hF8w
4	Atomic absorption spectroscopy - principle, instrumentation and applications with reference to sodium and potassium analysis	power Point Presentation	ICT	true	2	https://youtu.be/rv9ge_lw6nk

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of BIOCHEMISTRY****COURSE SCHEDULE(2021-2024 : EVEN Semester)****SB241 MAJOR PRACTICAL II****Name of the Instructors : Anna Sheba L****Class : IV Sem. -
BCH****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-04	Able to analyse and estimate biomolecules in a sample	K3-Appling	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.
CO-01	Analyse, interpret and identify carbohydrates and amino acids	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-02	Able to analyse the quality of lipids (oil)	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-03	Imbibe the usage of paper and thin layer chromatography in biomolecular separation and purification	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-05			

Lesson Plan**Unit 1****Course Outcome Statement (CO-01)**

Analyse, interpret and identify carbohydrates and amino acids (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Quantitative analysis of carbohydrate – Monosaccharide	Sample	Practical	true	3	Practical Biochemistry - Varley
2	Quantitative analysis of carbohydrate – Disaccharide	Sample	Practical	true	3	Practical Biochemistry - Varley
3	Quantitative analysis of carbohydrate – Polysaccharide	Sample	Practical	true	3	Practical Biochemistry - Varley
4	Quantitative analysis of amino acids – aromatic and sulfur containing amino acids	Sample	Practical	true	3	Practical Biochemistry - Varley
5	Quantitative analysis of amino acids – Basic amino acids	Sample	Practical	true	3	Practical Biochemistry - Varley

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**Unit 2****Course Outcome Statement (CO-02)**

Able to analyse the quality of lipids (oil) (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Determination of Saponification and acid number of an edible oil	Sample	Practical	true	3	Practical Biochemistry - Varley
2	Determination of iodine number of an edible oil	Sample	Practical	true	3	Practical Biochemistry - Varley

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 3

Course Outcome Statement (CO-03)

Imbibe the usage of paper and thin layer chromatography in biomolecular separation and purification (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Estimation of protein by Biuret method	Sample	Practical	true	3	Practical Biochemistry - Varley
2	Estimation of inorganic phosphorous by Fiske and Subbarow method	Sample	Practical	true	3	Practical Biochemistry - Varley
3	Estimation of aminoacids by Ninhydrin method	Sample	Practical	true	3	Practical Biochemistry - Varley
4	Estimation of DNA by diphenylamine method	Sample	Practical	true	3	Practical Biochemistry - Varley
5	Estimation of RNA by orcinol method	Sample	Practical	true	3	Practical Biochemistry - Varley
6	Estimation of carbohydrate by Anthrone method/ Dubois method	Sample	Practical	true	3	Practical Biochemistry - Varley

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 4

Course Outcome Statement (CO-04)

Able to analyse and estimate biomolecules in a sample (K3-Applying)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Isolation and assay of glycogen from animal tissue	Demo	Practical	true	3	Practical Biochemistry - Varley
2	Separation and Identification of Amino acids and carbohydrate by paper chromatography	Demo	Practical	true	3	Practical Biochemistry - Varley

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of BIOCHEMISTRY****COURSE SCHEDULE(2021-2024 : EVEN Semester)****TSSEH PERSONALITY ENRICHMENT LEVEL - II****Name of the Instructors : Anna Sheba L****Class : IV Sem. -
BCH****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Understand the causes, symptoms, and how to overcome stress	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Understand the components of emotional intelligence and competence	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	Gain knowledge about the steps involved in problem solving, negotiation and conflict strategies	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	Get awareness on the components of behavioural skills and emotional intelligence	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	Acquire skills in building trust among their friends and well wishers	K6-Creating	Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.
CO-06			

Lesson Plan**Unit 1****Course Outcome Statement (CO-01)**

Understand the causes, symptoms, and how to overcome stress (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	The Nature of Stress – A wellness Lifestyle – Distress symptoms	Lecturing	Chalk and Board	true	1	https://youtu.be/70xKJTOx0Jc
2	Emotional distress, cognitive distress, behavioral distress, physical distress symptoms	Group Discussion	Nil	true	1	Nil
3	Managing stress : exercise, nutrition, sleep, healthy pleasures, Self talk and stress	Group Discussion	Nil	true	1	https://youtu.be/Aj1cbYqNqlo
4	Relaxation Methods: breathing techniques, meditation techniques, Visualization techniques	Group Discussion	Nil	true	1	Nil
5	Self hypnosis- muscle relaxation techniques – Using social support	Group Discussion	Nil	true	1	Nil

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 2

Course Outcome Statement (CO-02)

Acquire skills in building trust among their friends and well wishers (K6-Creating)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Developing and maintaining trust – being trusting and trustworthy – building interpersonal trust	Seminar	Chalk and Board	true	1	Johnson, D.W. (1997). Reaching out – Interpersonal Effectiveness and Self Actualization. 6th ed. Boston: Allyn and Bacon
2	Reestablishing trust after it has been broken – trusting appropriately – trust and friendship	Seminar	Chalk and Board	true	1	Johnson, D.W. (1997). Reaching out – Interpersonal Effectiveness and Self Actualization. 6th ed. Boston: Allyn and Bacon

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**Unit 3****Course Outcome Statement (CO-03)**

Understand the components of emotional intelligence and competence (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Understanding conflicts of Interests- conflict strategies	Seminar	Chalk and Board	true	1	Robbins, S. P. and Hunsaker, Phillip, L. (2009). Training in Interpersonal skills. Tips for managing people at work
2	negotiating to win – negotiating to solve the problems – steps for effective problem solving negotiating – refusal skills	Group Discussion	Nil	true	1	Robbins, S. P. and Hunsaker, Phillip, L. (2009). Training in Interpersonal skills. Tips for managing people at work

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 4

Course Outcome Statement (CO-04)

Gain knowledge about the steps involved in problem solving, negotiation and conflict strategies (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Emotional Intelligence and emotional competence	Seminar	Chalk and Board	true	1	Johnson, D.W. (1997). Reaching out – Interpersonal Effectiveness and Self Actualization. 6th ed. Boston: Allyn and Bacon
2	Components of emotional intelligence – behavioral skills of emotional intelligence	Seminar	Chalk and Board	true	1	Johnson, D.W. (1997). Reaching out – Interpersonal Effectiveness and Self Actualization. 6th ed. Boston: Allyn and Bacon

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 5

Course Outcome Statement (CO-05)

Get awareness on the components of behavioural skills and emotional intelligence (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Self theory and the Johari window	Seminar	Chalk and Board	true	1	Schafer, W. (1998). Stress Management for Wellness. 4th edition. Australia: Thomson & Wadsworth
2	Characteristics of fully functioning individuals	Seminar	Chalk and Board	true	1	Schafer, W. (1998). Stress Management for Wellness. 4th edition. Australia: Thomson & Wadsworth
3	Manifestations of low and high self esteem	Group Discussion	Nil	true	1	Nil
4	Techniques for enhancing self esteem – nurturance techniques	Group Discussion	Nil	true	1	Nil

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of BIOCHEMISTRY****COURSE SCHEDULE(2020-2023 : EVEN Semester)****SB46A IMMUNOLOGY****Name of the Instructors : Anna Sheba L****Class : VI Sem. -
BCH****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Cognizance the different types of immunity, lymphoid organs and the cellular basis of immunity	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	Ability to detail on types of antigens, antibodies and activation of complements.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Comprehend the mechanisms underlying in-vitro reactions between antigen and antibody and relating their application in clinical diagnosis	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	Apprehend the enormous scope of different types of vaccines	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	Acquire knowledge on autoimmunity, hypersensitivity and transplantation immunology	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-06			

Lesson Plan**Unit 1****Course Outcome Statement (CO-01)**

Cognizance the different types of immunity, lymphoid organs and the cellular basis of immunity (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Introduction to Immunology	Lecturing	Chalk and Board	true	1	Nil
2	Immune system – functions and structural components - lymphoreticular system	Lecturing	Chalk and Board	true	1	Nil
3	Lymphoid organs- primary lymphoid organs	Seminar	ICT	true	1	https://youtu.be/z0lyGbS0_cE
4	Lymphoid organs- secondary lymphoid organs	Seminar	ICT	true	1	https://youtu.be/z0lyGbS0_cE
5	Types, structure and functions of lymphoid cells – B, T and null cells	power Point Presentation	ICT	true	1	https://youtu.be/bseR4ZDDAQ
6	Types of immunity- innate and acquired	power Point Presentation	ICT	true	1	NIL
7	Determinants of innate immunity – anatomical, biochemical and	Seminar	ICT	true	1	Text book of Immunology by Kuby

Lesson Plan

Unit 1

Course Outcome Statement (CO-01)

Cognizance the different types of immunity, lymphoid organs and the cellular basis of immunity (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
7	cellular factors	Seminar	ICT	true	1	Text book of Immunology by Kuby
8	Phagocytosis, Inflammation	Seminar	ICT	true	1	https://youtu.be/md-QITcsZag

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**Unit 2****Course Outcome Statement (CO-02)**

Ability to detail on types of antigens, antibodies and activation of complements. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Antigens – definition – types – haptens, isoantigens, neoantigens	power Point Presentation	ICT	true	1	https://youtu.be/X21sVTMzU0A
2	Factors affecting antigenicity and immunogenicity of antigens	Lecturing	Chalk and Board	true	2	https://youtu.be/_8klM011790
3	09/01/2023 to 11/01/2023 3 Hrs II Antibodies – definition and classification. General structure and functions of IgM, IgD, IgA, IgG and IgE,	power Point Presentation	ICT	true	2	https://youtu.be/N3L4kQqsGPQ
4	Isohemeagglutinins and natural antibodies	Lecturing	Chalk and Board	true	1	Text book of Immunology -Kuby
5	Clonal selection theory of antibody formation	power Point Presentation	ICT	true	2	https://youtu.be/Q7RqXSP67IM
6	Complement – biochemical functions.	Lecturing	Chalk and Board	true	2	https://youtu.be/E4dZ5w3D9ZM
7	Activation by classical and alternative pathways	power Point Presentation	ICT	true	2	https://youtu.be/d6qFPegEYV0

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 3

Course Outcome Statement (CO-03)

Comprehend the mechanisms underlying in-vitro reactions between antigen and antibody and relating their application in clinical diagnosis (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Antigen – antibody interaction – types – precipitation and agglutination mechanism	Seminar	ICT	true	2	Textbook of Immunology - Dulsy Fathima
2	Applications of agglutination reaction in diagnosis of diseases – Widal test	Seminar	ICT	true	2	Textbook of Immunology - Dulsy Fathima
3	Complement fixation test, Coombs test	Seminar	ICT	true	2	Textbook of Immunology - Dulsy Fathima
4	Blood grouping- major and minor blood groups	Seminar	Chalk and Board	true	1	Textbook of Immunology - Dulsy Fathima
5	Erythroblastosis fetalis, Blood transfusion, Mismatched blood transfusion and its consequences	Seminar	ICT	true	2	Text book of Immunology-Kuby
6	Principle and applications of RIA and ELISA, immunoelectrophoresis and immunofluorescence	Seminar	ICT	true	2	Text book of Immunology-Kuby

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 4

Course Outcome Statement (CO-04)

Apprehend the enormous scope of different types of vaccines (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Immunization practices – passive and active immunization.	power Point Presentation	ICT	true	1	Text book of Immunology - Kuby
2	Commonly used vaccines - Killed and live attenuated vaccines	Lecturing	Chalk and Board	true	1	Text book of Immunology - Kuby
3	DNA vaccine, Recombinant vector vaccine	power Point Presentation	ICT	true	1	Text book of Immunology - Kuby
4	Production of monoclonal antibodies- principle and applications	power Point Presentation	ICT	true	1	https://youtu.be/U76LI3OuBsU

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 5

Course Outcome Statement (CO-05)

Acquire knowledge on autoimmunity, hypersensitivity and transplantation immunology (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Hypersensitivity-Introduction	Lecturing	Chalk and Board	true	1	Text book of immunology - KUby
2	Type I & II Hypersensitivity-causes, types and pathology	power Point Presentation	ICT	true	2	https://youtu.be/jXTW4F-8jd4
3	Type III & IV Hypersensitivity-causes, types and pathology	power Point Presentation	ICT	true	2	Text book of immunology - KUby
4	Auto immunity – causes and pathology	power Point Presentation	ICT	true	2	https://youtu.be/yZ6wWuAQnME
5	Rheumatoid arthritis Systemic lupus erythematosus, Hashimotos thyroiditis	power Point Presentation	ICT	true	2	Text book of immunology - KUby
6	Thyrotoxicosis, autoimmune hemolytic anemia	power Point Presentation	ICT	true	2	Text book of immunology - KUby
7	Immunomodulation	power Point Presentation	ICT	true	2	Text book of immunology - KUby
8	Transplantation immunology- graft Acceptance and rejection	power Point Presentation	ICT	true	2	https://youtu.be/_MccnQRa1dQ

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of BIOCHEMISTRY****COURSE SCHEDULE(2022-2025 : EVEN Semester)****SD3AC ALLIED – CHEMISTRY II****Name of the Instructors : Brindha V****Class : II Sem. -****Course Outcomes:****BCH**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Understand the fundamentals of coordination chemistry and its applications	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	Gain knowledge about structural aspects of biologically important compounds	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Be introduced to the applications of phase rule and freezing mixtures.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	Acquire knowledge about the basics of electrochemistry	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	Able to describe the basics of analytical chemistry	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.

Lesson Plan**Unit 01****Course Outcome Statement (CO-01)**

Understand the fundamentals of coordination chemistry and its applications (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	COORDINATION CHEMISTRY: Definition of terms	Lecturing	Board & Chalk	true	1	https://byjus.com/jee/coordination-compounds/
2	Classification of ligands and Nomenclature	Lecturing	Board & Chalk	true	1	https://byjus.com/jee/coordination-compounds/
3	Chelation-EDTA and its applications	Lecturing	Board & Chalk	true	2	https://byjus.com/jee/coordination-compounds/
4	Werner's Theory	Lecturing	Board & Chalk	true	2	https://byjus.com/jee/coordination-compounds/
5	Effective Atomic Number, Pauling's Theory - Postulates	Lecturing	Board & Chalk	true	2	https://byjus.com/jee/coordination-compounds/
6	Biological role of haemoglobin, Biological role of Chlorophyll	Lecturing	Board & Chalk	true	2	https://www.slideshare.net/Vishali29/structure-of-chlorophyll-haemoglobin

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**Unit 02****Course Outcome Statement (CO-02)**

Gain knowledge about structural aspects of biologically important compounds (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	CARBOHYDRATES: Classification	Lecturing	Board & Chalk	true	1	https://conductscience.com/structure-classification-and-functions-of-carbohydrates/
2	Preparation and reactions of glucose	Lecturing	Board & Chalk	true	1	https://conductscience.com/structure-classification-and-functions-of-carbohydrates/
3	Preparation and reactions of Fructose	Lecturing	Board & Chalk	true	1	https://conductscience.com/structure-classification-and-functions-of-carbohydrates/
4	Inter-conversion of glucose to fructose, Inter-conversion of Fructose to Glucose	Lecturing	Board & Chalk	true	2	https://www.uou.ac.in/lecturenotes/science/MSCCH-17/CHEMISTRY%20LN%204%20CARBOHYDRATES-converted%20(1).pdf
5	Structure of starch, Structure of cellulose, Derivatives of cellulose, Diabetes - Causes and control measures.	Lecturing	Board & Chalk	true	2	https://www.uou.ac.in/lecturenotes/science/MSCCH-17/CHEMISTRY%20LN%204%20CARBOHYDRATES-converted%20(1).pdf and https://www2.chemistry.msu.edu/faculty/reusch/virttxtjml/carbyhd.htm

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**Unit 03****Course Outcome Statement (CO-03)**

Be introduced to the applications of phase rule and freezing mixtures. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	PROTEINS: Amino acids-Classification, Preparation and properties of alanine, Preparation of dipeptide using Bergman method	Lecturing	Board & Chalk	true	5	https://soe.unipune.ac.in/studymaterial/swapnaGaikwadOnline/aminoacids-171113130407.pdf
2	Proteins -Classification according to composition, Proteins - Classification according to biological functions and shape, Denaturation and colour reactions of Proteins	Lecturing	Board & Chalk	true	3	https://microbenotes.com/proteins-properties-structure-classification-and-functions/
3	Primary and secondary structure of Proteins, Nucleic acids: DNA, its components and biological functions, RNA its components and biological functions	Lecturing	Board & Chalk	true	5	https://www.britannica.com/science/nucleic-acid/Nucleic-acid-metabolism

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**Unit 04****Course Outcome Statement (CO-04)**

Acquire knowledge about the basics of electrochemistry (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Electrolytic conductance in metals and in electrolytic solution, Specific conductance, Equivalent conductance, Arrhenius theory of electrolytic dissociation and its limitations, Weak and strong electrolytes according to Arrhenius theory, Ostwald's dilution law – applications and limitations, Conductometric titrations – strong acid vs strong base.	Lecturing	Board & Chalk	true	4	https://examsdaily.in/wp-content/uploads/2018/08/electro-2.pdf
2	Characteristics of catalytic reaction, Auto catalysis, Promoters, catalytic poisons, Types of catalysis – homogeneous and heterogeneous.	Lecturing	Board & Chalk	true	4	https://www.britannica.com/science/catalysis/Classification-of-catalysts
3	Enzyme catalysis	Lecturing	Board & Chalk	true	1	https://chem.libretexts.org/Courses/Brevard_College/CHE_301_Biochemistry/05%3A_Enzymes/5.03%3A_Mechanism_of_Enzymatic_Catalysis

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**Unit 05****Course Outcome Statement (CO-05)**

Able to describe the basics of analytical chemistry (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Introduction to Qualitative analysis, Introduction to Quantitative Analysis, Principle of volumetric analysis.	Lecturing	Board & Chalk	true	4	https://byjus.com/chemistry/volumetric-analysis/
2	Separation techniques, extraction: distillation, crystallization	Lecturing	Board & Chalk	true	3	https://chem.libretexts.org/Courses/BethuneCookman_University/B-CU%3A_CH-345_Quantitative_Analysis/Book%3A_Analytical_Chemistry_2.1_(Harvey)/07%3A_Obtaining_and_Preparing_Samples_for_Analysis/7.06%3A_Classifying_Separation_Techniques
3	Chromatographic separations - Principles and application of column, paper, thin layer	Lecturing	Board & Chalk	true	1	https://scienceforec astroa.com/Articles/SJPAC-V2-E2-1018.pdf

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of BIOCHEMISTRY****COURSE SCHEDULE(2022-2025 : EVEN Semester)****SD3A1 ALLIED CHEMISTRY PRACTICAL****Name of the Instructors : Brindha V****Class : II Sem. -
BCH****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Able to analyse the concentration of various compounds titrimetrically.	K4-Analyzing	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.
CO-02			

Lesson Plan**Unit 01****Course Outcome Statement (CO-01)**

Able to analyse the concentration of various compounds titrimetrically. (K4-Analyzing)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Estimation Oxalic acid using standard Ferrous Sulphate.	Sample	Practical	true	3	NIL
2	Estimation of Ferrous sulphate using standard Mohr's salt	Sample	Practical	true	3	NIL
3	Estimation of Sodium hydroxide using standard Sodium Carbonate and Estimation of Potassium permanganate using standard Sodium hydroxide.	Sample	Practical	true	3	NIL
4	Estimation of Hydrochloric acid using standard Oxalic acid.	Sample	Practical	true	3	NIL
5	Estimation of iron from iron tablets using standard potassium permanganate and Estimation of Potassium permanganate using standard Sodium hydroxide.	Sample	Practical	true	3	NIL
6	Estimation of magnesium using EDTA and Estimation of calcium from calcium tablets using EDTA.	Sample	Practical	true	3	NIL

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
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Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of BIOCHEMISTRY****COURSE SCHEDULE(2022-2025 : EVEN Semester)****SB5AB NME-CLINICAL NUTRITION AND DIETARY MANAGEMENT****Name of the Instructors : Brindha V****Class : II Sem. -****Course Outcomes:****BCH**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Gain insight on the importance of balance diet.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	Acquire knowledge on nutritional requirement for different stages of life.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Understand the need of dietary management in different diseases.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	An understanding of various forms of nutrition.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.

Lesson Plan**Unit 1****Course Outcome Statement (CO-01)**

Gain insight on the importance of balance diet. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Definition of Nutrition, Overview of Balanced diet	Lecturing	Board & Chalk	true	1	https://www.narayanahealth.org/blog/importance-of-balanced-diet-for-a-healthy-lifestyle/
2	Collecting and analyzing Nutritional information – Physical examination	power Point Presentation	Powerpoint presentation	true	1	https://reader.elsevier.com/reader/sd/pii/B9780081005965034910?token=7D3FCD3AEC4FAB23E6E3C81DE4577FC74DCE051AE40EB56AEA43FD4626E33C9AB9818B72DC81A42883EE5E7FF8D641D0&originRegion=eu-west-1&originCreation=20230128003101
3	Anthropometric measurements	power Point Presentation	Powerpoint presentation	true	1	https://www.slideshare.net/KalpanaKawan1

Gain insight on the importance of balance diet. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
3	Anthropometric measurements	power Point Presentation	Powerpoint presentation	true	1	/anthropometric measurement

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**Unit 2****Course Outcome Statement (CO-02)**

Acquire knowledge on nutritional requirement for different stages of life. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Common food allergies, food intolerance – lactose intolerance	Lecturing	Board & Chalk	true	1	https://www.fda.gov/food/food-labeling-nutrition/food-allergies#:text=This%20law%20identified%20eight%20foods,peanuts%2C%20wheat%2C%20and%20soybeans
2	Cardiovascular diseases- atherosclerosis, and myocardial infarction, foods that increase LDL and HDL	Lecturing	Board & Chalk	true	1	https://www.who.int/news-room/fact-sheets/detail/cardiovascular-diseases-(cvds) , https://www.eatingwell.com/article/7912602/foods-to-boost-your-good-cholesterol/

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**Unit 3****Course Outcome Statement (CO-03)**

Understand the need of dietary management in different diseases. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Bulimia and Anorexia Nervosa. Dietary management with reference to Constipation, Diarrhoea, Dehydration	power Point Presentation	Powerpoint presentation	true	1	https://www.healthline.com/health/eating-disorders/anorexia-vs-bulimia , https://www.hmpgloballearningnetwork.com/site/wmp/article/nutrition-411-managing-diarrhea-and-constipation
2	Peptic Ulcer , Hepatitis, Gall bladder diseases and Renal failure	power Point Presentation	Powerpoint presentation	true	1	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4743227/

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan**Unit 4****Course Outcome Statement (CO-04)**

An understanding of various forms of nutrition. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Dietary management with reference to Hypertension	power Point Presentation	Powerpoint presentation	true	1	NIL
2	Diabetes Mellitus	Lecturing	Board and chalk	true	1	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5439361/pdf/76.pdf
3	AIDS and Cancer	power Point Presentation	Powerpoint	true	2	NIL
4	Surgery and Nutritional support	power Point Presentation	Powerpoint presentation	true	1	NIL
5	outline of Enteral Nutrition and Parenteral Nutrition	power Point Presentation	Powerpoint presentation	true	2	https://www.mayoclinic.org/TESTS-PROCEDURES/TOTAL-PARENTERAL-NUTRITION/ABOUT/PAC-20385081#:TEXT=parenteral%20nutrition%20nutrition%20procedures%20liquid%20nutrients,ot%20use%20it%20by%20itself

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

**Department of BIOCHEMISTRY****COURSE SCHEDULE(2020-2023 : EVEN Semester)****SB26A CLINICAL BIOCHEMISTRY****Name of the Instructors : Brindha V****Class : VI Sem. -
BCH****Course Outcomes:**

CO Nos.	Course Outcomes	Knowledge Level (Based on revised Bloom's Taxonomy)	Statement
CO-01	Be able to describe the causes, types, clinical manifestations and treatment of Diabetes mellitus and various disorders of carbohydrate metabolic pathways.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-02	Ability to enumerate the pathophysiological processes underlying jaundice and the clinical applications of enzymes in diagnosis.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-03	Able to assess the various parameters related to kidney function.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-04	Get a holistic understanding regarding the disorders of lipid metabolism and amino acid metabolism.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-05	Acquire knowledge about the basics and applications of diagnostic tools.	K2-Understanding	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.
CO-06			

Lesson Plan**Unit 01****Course Outcome Statement (CO-01)**

Be able to describe the causes, types, clinical manifestations and treatment of Diabetes mellitus and various disorders of carbohydrate metabolic pathways. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Maintenance of blood glucose by hormone with special reference to insulin and glucagon. Abnormalities in glucose metabolism.	Lecturing	Board & Chalk	true	8	https://www.slideshare.net/numerasir/mn-chatterjea-textbook-of-medical%20biochemistry-third%20edition-charlotte-w-pratt.pdf
2	Diabetes mellitus- types, causes, biochemical manifestations, diagnosis and treatment	Lecturing	Board & Chalk	true	6	https://www.slideshare.net/numerasir/mn-chatterjea-textbook-of-medical%20biochemistry-third%20edition-charlotte-w-pratt.pdf

Lesson Plan

Unit 01

Course Outcome Statement (CO-01)

Be able to describe the causes, types, clinical manifestations and treatment of Diabetes mellitus and various disorders of carbohydrate metabolic pathways. (K2- Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
3	Inborn errors of carbohydrate metabolism, Galactosemia, Fructosuria and Glycogen storage disease.	Lecturing	Board & Chalk	true	8	https://www.slideshare.net/numerasir/mn-chatterjea-textbook-of-medical%20biochemistry-third-%20edition-charlotte-w-pratt.pdf

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 02

Course Outcome Statement (CO-02)

Ability to enumerate the pathophysiological processes underlying jaundice and the clinical applications of enzymes in diagnosis. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Liver function tests, Tests based on bile pigment metabolism. Enzymes pattern in health and diseases with special mention of plasma lipase, amylase, cholinesterase	Lecturing	Board & Chalk	true	6	https://www.slideshare.net/numerasir/mn-chatterjea-textbook-of-medical%20biochemistry-third-%20edition-charlotte-w-pratt.pdf
2	alkaline and acid phosphatase, SGOT, SGPT, LDH and CPK. Clinical enzymology - enzymes of diagnostics importance: LDH, Creatinine kinase, transaminases and pancreatic lipase.	Lecturing	Board & Chalk	true	7	https://www.slideshare.net/numerasir/mn-chatterjea-textbook-of-medical%20biochemistry-third-%20edition-charlotte-w-pratt.pdf

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 03

Course Outcome Statement (CO-03)

Able to assess the various parameters related to kidney function. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Inulin, urea and creatinine clearance tests	Lecturing	Board & Chalk	true	8	https://www.slideshare.net/numerasir/mn-chatterjea-textbook-of-medical%20biochemistry-third%20edition-charlotte-w-pratt.pdf
2	Concentration and dilution test. Phenol red test	Lecturing	Board & Chalk	true	6	https://www.slideshare.net/numerasir/mn-chatterjea-textbook-of-medical%20biochemistry-third%20edition-charlotte-w-pratt.pdf
3	Levels of plasma proteins and its significance related to kidney function. Proteinuria.	power Point Presentation	p[owerpoint presentation	true	8	https://www.slideshare.net/numerasir/mn-chatterjea-textbook-of-medical%20biochemistry-third%20edition-charlotte-w-pratt.pdf

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 04

Course Outcome Statement (CO-04)

Get a holistic understanding regarding the disorders of lipid metabolism and amino acid metabolism. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Levels of cholesterol, triglycerides, phospholipids, free fatty acids and lipoprotein in blood.	power Point Presentation	Powerpoint presentation	true	6	https://www.slideshare.net/numerasir/mn-chatterjea-textbook-of-medical%20biochemistry-third%20edition-charlotte-w-pratt.pdf
2	Abnormal levels of these lipids in diseases. Atherosclerosis, hyper and hypoproteinemias, Sphingolipidoses	Lecturing	Board & Chalk	true	8	https://www.slideshare.net/numerasir/mn-chatterjea-textbook-of-medical%20biochemistry-third%20edition-charlotte-w-pratt.pdf
3	Niemann- pick disease, Gaucher's and Tay-ach's disease-causes and pathology	Lecturing	Board & Chalk	true	7	https://www.slideshare.net/numerasir/mn-chatterjea-textbook-of-medical%20biochemistry-third%20edition-charlotte-w-pratt.pdf
4	Inborn errors of aminoacid metabolism- alkaptonuria, Phenylketonuria, albinism, gout and hper-uricemia causes , types and treatment	Lecturing	Board & Chalk	true	8	https://www.slideshare.net/numerasir/mn-chatterjea-textbook-of-medical%20biochemistry-third%20edition-charlotte-w-pratt.pdf

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				

Lesson Plan

Unit 05

Course Outcome Statement (CO-05)

Acquire knowledge about the basics and applications of diagnostic tools. (K2-Understanding)

S.No	Content	Delivery Method	Teaching Aids	Nature Of Learning	Hours	Reference
1	Diagnostic tools: Principles and applications 1. Clinical chemistry analyser - semi and fully automated 2. Electrolyte analyser	power Point Presentation	Powerpoint presentation	true	7	https://archive.org/details/clinicalchemistrytre2zilv/pge/n7
2	Blood gas analyser – ECG, Glucometer - HbA1C analyser and other point care devices	power Point Presentation	Powerpoint presentation	true	8	https://archive.org/details/clinicalchemistrytre2zilv/pge/n7

Weightage of each assessment method on attainment of CO

S.No	Assessment Method	Weightage %	Description
No Records			

Rubrics

S.No	Rubrics Name	Weightage %	Due Date	Date of Assessment
No Records				

Survey

S.No	Survey Type	Weightage %	Survey Choice	Survey Title
No Records				