

## SIR C R REDDY COLLEGE FOR WOMEN, ELURU

### Annual Curricular Plan for the Academic Year 2022 - 2023

Name of the Lecturer :	P.RAMYA KRISHNA				
Name of the Department:	CHEMISTRY				
Program	B.Sc			Group:	MCCS
Title of the Course:	INORGANIC,ORGANIC AND PHYSICAL CHEMISTRY			Hrs allotted:	60+30
Year	II	Semester	IV	Course Code:	21-BS-424-A
Section	2			Hours/Week	4+2

Unit No. & Name	Hour	Day	Date	Topic to be Covered	Methodology Adopted	Remarks
<b>UNIT-01(ORGANO METALLIC COMPOUNDS)</b>	1	Thursday	23/03/2023	Demonstration of organic functional group analysis(LAB)	P1,P2	--
	2	Friday	24/03/2023	Definition and classification of organo metallic compounds	P1	--
	3	Saturday	25/03/2023	Hapticity of organic ligands.	P1	--
	4	Tuesday	28/03/2023	Metal carbonyls: Definition and classification	P1	--
	5	Wednesday	29/03/2023	General methods of preparation of mono and binuclear carbonyls of 3d- series	P1	--
	6	Friday	31/03/2023	Pi- acceptor behaviour and synergic effects. MO diagram of CO	P4	--

<b>UNIT-2(CARBOHYDRATES)</b>	7	Saturday	01-04-2023	definition and classification of carbohydrates, constitution and structural elucidation of glucose	<b>P1</b>	--
	8	Tuesday	04-04-2023	preparation methods and chemical properties of glucose and fructose	<b>P1</b>	--
	9	Thursday	06-04-2023	determination of M.P and B.P, Detection of extra element test	<b>P1,P2</b>	--
	10	Tuesday	11-04-2023	constitution and structural elucidation of fructose	<b>P6</b>	--
	11	wednesday	12-04-2023	interconversions, arabinose to hexose and hexose to arabinose interconversions	<b>P1</b>	--
	12	Thursday	13/04/2023	Organic compound analysis-1	<b>P1,P2</b>	--
	13	Saturday	15/04/2023	elementary treatment of Disaccharides and poly saccharides	<b>P1</b>	--
<b>UNIT-03(1.AMINO ACIDS AND PROTEINS, 2.HETEROCYCLIC COMPOUNDS)</b>	14	Tuesday	18/04/2023	Classification of amino acids, iso electric point and zwitter ion	<b>P7</b>	--
	15	wednesday	19/04/2023	chemical reactions of amino acids and synthesis	<b>P1</b>	--
	16	Thursday	20/04/2023	Organic compound analysis-2	<b>P1,P2</b>	--
	17	Friday	21/04/2023	nomenclature and structure of peptides, nomenclature of proteins	<b>P1</b>	--
	18	Tuesday	25/04/2023	structure of proteins	<b>P1</b>	--
	19	wednesday	26/04/2023	Structure and aromaticity of pyrrole	<b>P1</b>	--
	20	Thursday	27/04/2023	Organic compound analysis-3	<b>P1,P2</b>	--
	21	Friday	28/04/2023	structure and aromaticity of furan and thiophene, synthesis of five membered ring compounds, paul knorr synthesis	<b>P5</b>	--
	22	Saturday	29/04/2023	chemical properties (electrophilic substitution reactions) of pyrrole, furan and thiophene	<b>P1</b>	--

	23	Tuesday	02-05-2023	synthesis and aromaticity of pyridine	P1	--
	24	wednesday	03-05-2023	acidic nature of pyrrole,basic nature of pyridine,diels alder reaction in furan	P1	--
	25	Thursday	04-05-2023	Organic compound analysis-4	P1,P2	--
	26	Friday	05-05-2023	slip test on carbohydrates	P1	--
	27	Saturday	06-05-2023	Nucleophilic substitution reactions of pyridine,Definition and introduction to nitrogen compounds	P1	--
<b>UNIT-04(NITRO HYDRO CARBONS,AMINES AND DIAZONIUM SALTS)</b>	28	Tuesday	09-05-2023	synthesis of nitro hydro carbons,tautomerism,chemical reactions of nitro hydrocarbons	P1	--
	29	wednesday	10-05-2023	Nef reaction,mannich reaction and michael addition,reduction	P1	--
	30	Thursday	01-06-2023	correction of observation	P1,P2	--
	31	Friday	02-06-2023	introduction to amines,pyramidal inversion and its structure	P1	--
	32	Saturday	03-06-2023	synthesis of aliphatic and aromatic amines	P1	--
	33	Tuesday	06-06-2023	chemical properties of aliphatic amines	P1	--
	34	wednesday	07-06-2023	chemical properties of aromatic amines	P1	--
	35	Thursday	08-06-2023	Organic compound analysis-5	P1,P2	--
	36	Friday	09-06-2023	reaction with nitrous acid,hoffmann hypo bromamide reaction,hoffmann elimination,cope elimination	P1	--
	37	Tuesday	13/06/2023	seperation of primary,secondary and tertiary amines,introduction to diazonium salts,synthesis of diazonium salts	P1	--
	38	wednesday	14/06/2023	introduction to diazonium salts,synthesis of diazonium salts,Azodye reaction	P1	--

	39	Thursday	15/06/2023	correction of observation and repetitions	P1,P2	--
	40	Friday	16/06/2023	synthetic applications of diazonium salts	P1	--
UNIT- 05(1.PHOTOCHEMISTRY,2.THERMODYNAMICS)	41	Saturday	17/06/2023	introduction to photochemistry,laws of absorption	P1	--
	42	Tuesday	20/06/2023	laws of photochemistry(1.grothus drappers law,2.stark einsteins law)	P8	--
	43	Wednesday	21/06/2023	quantum yield and its experimental determination,HBr,HCl formation	P3	--
	44	Friday	23/06/2023	quantum yield and its experimental determination,chemiluminescence and luminescence	P1	--
	45	Saturday	24/06/2023	Jablonski diagram,Photosensitisation reactions	P1	--
	46	Tuesday	27/06/2023	introduction to thermodynamics,first law of thermodynamics	P1	--
	47	wednesday	28/06/2023	definition of internal energy and enthalpy,heat capacities and their relationships	P1	--
	48	Friday	30/06/2023	joule thomson effect	P1	--
	49	Saturday	01-07-2023	carnots cycle and its efficiency	P10	--
	50	Tuesday	04-07-2023	calculation of work done in adiabatic and isothermal conditions	P1	--
	51	wednesday	05-06-2023	temperature dependence of enthalpy of formation	P1	--
	52	Thursday	06-07-2023	organic compound analysis-repetitions	P1,P2	--
	53	Friday	07-07-2023	kirchoffs equation	P1	--
	54	Tuesday	11-07-2023	second law of thermodynamics	P3	--

55	wednesday	12-07-2023	carnor cycle and its effieciency	P1	--
56	Thursday	13/07/2023	repetetions	P1,P2	--
57	Friday	14/07/2023	concept of entropy	P1	--
58	saturday	15/07/2023	entropy chenge in reversible and equilibrium processes	P1	--
59	Tuesday	18/07/2023	third law of thermodynamics	P1	--
60	Wednesday	19/07/2023	nernest heat thereom	P1	--
61	Thursday	20/07/2023	record correction and certification	P1,P2	--
62	Friday	21/07/2023	spontaneous and non spontaneous processes	P1	--
63	saturday	22/07/2023	helmholtz and gibbs free energy equation	P1	--
64	Wednes day	19-07-2023	structure and aromaticity of furan	P5	--
65	Thursday	20-07-2023	amino acids,proteins and thermodynamics	P7	--
66	Friday	21-07-2023	laws of photochemistry(1.grothus drappers law,2.stark einsteins law)	P8	--
67	Saturday	22-07-2023	constitution of glucose	P6	--

*P. Ramya Kishra*  
Signature of the Lecturer

*B. Anur*  
HOD  
Signature of the Lecturer in charge

*[Signature]*  
Signature of the Principal

P1- Lecture  
P2- Demonstration(Lab)  
P3- Audio and video  
P4- Assignments  
P5- Seminar

P6- Debate  
P7-Quiz  
P8- Group discussion  
P9- JAM  
P10-PPT

# SIR C R REDDY COLLEGE FOR WOMEN, ELURU

## Annual Curricular Plan for the Academic Year 2022 - 2023

Name of the Lecturer :	B TULASI KOTESWARI BAI				
Name of the Department:	CHEMISTRY				
Program	BSc				
Title of the Course:	Inorganic & Physical Chemistry -course-IVB			Group:	MCCs
Year	II	Semester	IV	Hrs allotted:	60+30
Section	I			Course Code:	21-BS424B
				Hours/Week	4+2

Unit No. & Name	Hour	Day	Date	Topic to be Covered	Methodology Adopted	Remarks
<b>Unit-I: Co-ordination Chemistry</b>	1	Thursday	23-03-2023	IUPAC Nomenclature of Co-ordination compounds	P1	--
	2	Friday	24-03-2023	Structural isomerism in Co-ordination compounds	P1	--
	3	Saturday	25-03-2023	Stereo isomerism in Co-ordination compounds-4, 6	P4	--
	4	Monday	27-03-2023	Procedure for Conductometric titration of HCl with NaOH (Lab)	P1, P2	--
	5	wednesday	29-03-2023	V B T	P3	--
	6	Friday	31-03-2023	Inner & Outer orbital complexes, Limitations of VBT	P1	--
	7	Saturday	01-04-2023	Crystal field effect. Octahedral symmetry. CFSE, Crystal field effects for weak and strong fields,	P10	--
	8	Monday	03-04-2023	Preparation of solutions for Conductometric titration of HCl with NaOH (Lab)	P1, P2	--
	9	Thursday	06-04-2023	Tetrahedral symmetry, Square planar co-ordination	P5	--
	10	Saturday	08-04-2023	Factors affecting the magnitude of CFSE	P1	--
	11	Monday	10-04-2023	Determination of concentration of HCl using Standard NaOH conductometrically (Lab)	P1, P2	--
	12	wednesday	12-04-2023	Spectrochemical series	P1	--
	13	Thursday	13-04-2023	Comparison of CFSE for Octahedral and Tetrahedral complexes	P6	--
	14	Saturday	15-04-2023	Tetragonal distortion of octahedral geometry, Jahn-Teller distortion	P3	--

Unit:II;1.Inorganic reaction mechanism,2.Stability of metal complexes,3.Bio-inorganic chemistry	15	Monday	17-04-2023	Procedure for Conductometric titration of CH <sub>3</sub> COOH with NaOH (Lab)	P1,P2	--
	16	Wednesday	19-04-2023	Introduction to inorganic reaction mechanisms. Concept of reaction path ways,transition state,Intermediate and activated complex . Labile and Inert complexes	P1	--
	17	Thursday	20-04-2023	Ligand substitution reactions-SN1 and SN2 reactions	P1	--
	18	Friday	21-04-2023	Substitution reactions in square planar complexes	P3	--
	19	Monday	24-04-2023	Preparation of solutions forConductometric titration of CH <sub>3</sub> COOH with NaOH (Lab)	P1,P2	--
	20	wednesday	26-04-2023	Trans-effect, theories of trans effect and its applications	P3	--
	21	Thursday	27-04-2023	Thermodynamic stability and Kinetic stability	P10	--
	22	Friday	28-04-2023	Factors affecting the stability of metal complexes	P1	--
	23	Saturday	29-04-2023	Chelate effect	P1	--
	24	Monday	01-05-2023	Detemination of concentration of CH <sub>3</sub> COOH using Standard NaOH conductometrically(Lab)	P1,P2	--
	25	wednesday	03-05-2023	Determination of composition of complex by Job's method and Mole-ratio method	P1	--
	26	Thursday	04-05-2023	Metal ios present in biological systems, classification of elements according to their action in biological system	P1	--
	27	Friday	05-05-2023	Geochemical effect on the distribution of metals, Sodium/K-pump, carbonic anhydrase and carboxy peptidase	P1	--
	28	Saturday	06-05-2023	Excess and deficiency of some trace metals	P8	--
	29	Monday	08-05-2023	Procedure for Conductometric titration of CH <sub>3</sub> COOH and HCl mixture with NaOH (Lab)	P1,P2	--
	30	wednesday	10-05-2023	Toxicity of metal ions (Hg, Pb, Cd and As), Reasons for toxicity, use of chelating agents in medicine,Cis Platin as anti-Cancer drug	P1	--
31	Thursday	01-06-2023	Iron and its applications in bio-systems, Haemoglobin	P3	--	
32	Friday	02-06-2023	Myoglobin. Storage and transfer of Iron	P1	--	

<b>Unit:III;Phase rule</b>	33	Saturday	03-06-2023	Concept of phase, components, degrees of freedom	P1	--
	34	Monday	05-06-2023	Preparation of solutions for Conductometric titration of CH <sub>3</sub> COOH and HCl with NaOH (Lab)	P1,P2	--
	35	wednesday	07-06-2023	Thermodynamic relation of Gibbs Phase rule	P1	--
	36	Thursday	08-06-2023	Phase diagram of one component system-water system	P3	--
	37	Friday	09-06-2023	Study of phase diagram of simple eutectic systems i) Pb-Ag system, desilverisation of lead, Congruent melting point	P1	--
	38	Monday	12-06-2023	Determination of concentration of CH <sub>3</sub> COOH and HCl in a mixture using Standard NaOH conductometrically(Lab)	P1,P2	--
	39	wednesday	14-06-2023	ii) NaCl-water system with incongruent melting point	P3	--
	40	Thursday	15-06-2023	Definition and examples for systems having congruent and incongruent melting point, freezing mixtures.	P4	--
<b>Unit-IV:Electrochemistry</b>	41	Friday	16-06-2023	Specific conductance, equivalent conductance and molar conductance	P1	--
	42	Saturday	17-06-2023	Definition and effect of dilution. Cell constant.Strong and weak electrolytes	P1	--
	43	Monday	19-06-2023	Procedure for Potentiometric titration, preparation of solution of Potassium dichromate(Lab)	P1,P2	--
	44	wednesday	21-06-2023	Kohlrausch's law and its applications.	P1	--
	45	Thursday	22-06-2023	Definition of Transport number, determination of Transport number by Hittorf method	P3	--
	46	Friday	23-06-2023	Debye-Huckel-Onsagar equation for strong electrolytes	P1	--
	47	Saturday	24-06-2023	Application of conductivity measurements-conductometric titrations	P1	--
	48	Monday	26-06-2023	Determination of Fe(II) using standard Potassium dichromate potentiometrically(Lab)	P1,P2	--
	49	wednesday	28-06-2023	Electrochemical cells-single electrode potential.	P1	--
	50	Friday	30-06-2023	Types of electrodes with examples: Metal-metal ion, Gas electrode, Inert electrode, Redox electrode, Metal-metal insoluble salt-salt anion	P3	--
	51	Saturday	01-07-2023	Determination of Emf of a cell	P1	--
	52	Monday	03-07-2023	Nernst equation. Applications of Emf measurements	P1	--
	53	wednesday	05-07-2023	Potentiometric Titrations	P1	--
	54	Thursday	06-07-2023	Fuelcells-Basic concepts, examples and applications.	P3	--



<b>Unit-V: Chemical Kinetics</b>	55	Friday	07-07-2023	The concept of reaction rates. Effect of temperature, pressure, catalyst and other factors on reaction rates	P5	--
	56	Monday	10-07-2023	Order and Molecularity of a reaction. Derivation of integrated rate equations for zero order reactions, Half life of a reaction	P6,P1	--
	57	Tuesday	11-07-2023	rate equations for first and second order reactions(both for equal and unequal concentrations of reactants), Half life of a reaction	P1	--
	58	wednesday	12-07-2023	General methods for the determination of order of a reaction	P1	--
	59	Thursday	13-07-2023	concept of activation energy and its calculation from Arrhenius equation	P3	--
	60	Friday	14-07-2023	Theories of reaction rates: collision theory and activated complex theory of bimolecular reactions. Comparison of two theories(qualitative treatment only)	P1,P6	--
	61	Saturday	15-07-2023	Enzyme catalysis-Specificity, factors affecting enzyme catalysis, Inhibitors and Lock & key model	P3	--
	62	Monday	17-07-2023	Michaels-Menten equation-derivation	P1	--
	63	Tuesday	18-07-2023	Significance of Michaleks-Menten constant	P1	--
	64	wednesday	19-07-2023	Job's Method	P5	--
	65	Thursday	20-07-2023	Co-ordination chemistry	P7	--
	66	Friday	21-07-2023	Specific conductance, equivalent conductance and molar conductance	P8	--
67	Saturday	22-06-2023	Order and Molecularity of a reaction.	P6	--	

*B. Anur*

Signature of the Lecturer

*B. Anur*

Signature of the HOD

*Selvia*  
Signature of the Principal

P1 - Lecture

P2- Demonstration

P3- Audio & Video

P4- Assignments

P5-Seminars

P6- Debate

P7- Quiz

P8-Group Discussion

P9-JAM

P10-PPT

# SIR C R REDDY COLLEGE FOR WOMEN, ELURU


## Annual Curricular Plan for the Academic Year 2022 - 2023

Name of the Lecturer :	B TULASI KOTESWARI BAI					
Name of the Department:	CHEMISTRY					
Program	BSc MCCs				Group:	MCCs
Title of the Course:	ORGANIC AND GENERAL CHEMISTRY				Hrs allotted:	60+30
Year	I	Semester	II		Course Code:	21-BS224
Section	MCCs				Hours/Week	5+2
Unit No. & Name	Hour	Day	Date	Topic to be Covered	Methodolgy Adopted	Remarks
<b>I: Carbon-Carbon sigmabonds (Alkanes and Cycloalkanes)</b>	1	Saturday	29-04-2023	General methods of preparation of alkanes-Wurtz and Wurtz-Fittig reaction, Corey House synthesis	P1	-
	2	Monday	01-05-2023	Physical properties of alkanes	P4	-
	3	Tuesday	02-05-2023	Isomerism and its effect on properties	P1	-
	4	Wednesday	03-05-2023	Chemical properties of alkanes-free radical substitution reactions	P6	-
	5	Thursday	04-05-2023	Halogenation, concept of relative reactivity v/s selectivity	P1	-
	6	Friday	05-05-2023	Demonstration of weighing using analytical balance(Lab)	P1,P2	-
	7	Saturday	06-05-2023	Conformational analysis of alkanes	P1	-
	8	Monday	08-05-2023	Conformations, relative stability and energy diagram of Ethane	P3	-
	9	Tuesday	09-05-2023	Conformations, relative stability and energy diagram of Propane	P8	-
	10	Wednesday	10-05-2023	Conformations, relative stability and energy diagram of butane	P1	-
	11	Thursday	01-06-2023	General molecular formula of cycloalkanes and relative stability, Baeyer's strain theory	P2	-
	12	Friday	02-06-2023	Preparation of standard oxalic acid solution(Lab)	P1,P2	-
	13	Saturday	03-05-2023	Cyclohexane conformations with energy diagram	P1	-
	14	Monday	05-06-2023	confomations of mono substituted cyclo hexane	P4	-

<b>Unit - II: Carbon - Carbon pi bonds (Alkenes and Alkynes)</b>	15	Tuesday	06-06-2023	General methods of preparation of alkenes, Saytzeff elimination	<b>P1</b>	-
	16	Wednesday	07-06-2023	physical properties of alkenes	<b>P7</b>	-
	17	Thursday	08-06-2023	Mechanism of E1, E2 reactions	<b>P2</b>	-
	18	Friday	09-06-2023	Standardisation of permanganate and determination of Iron (II)(Lab)	<b>P1,P2</b>	-
	19	Saturday	10-06-2023	Mechanism of E1cb reactions and Hofmann elimination	<b>P3</b>	-
	20	Monday	12-06-2023	Chemical properties - electrophilic additions - Markonikoff addition mechanism	<b>P1</b>	-
	21	Tuesday	13-06-2023	Anti Markonikoff addition mechanism	<b>P10</b>	-
	22	Wednesday	14-06-2023	Addition of H <sub>2</sub> , X <sub>2</sub> , syn and anti addition, Oxymercuration - Demercuration	<b>P2</b>	-
	23	Thursday	15-06-2023	Hydroboration - oxidation, ozonolysis, Hydroxylation	<b>P5</b>	-
	24	Friday	16-06-2023	Preparation of standard potassium dichromate solution(Lab)	<b>P1,P2</b>	-
	25	Saturday	17-06-2023	Diels - Alder reaction, 1,2- 1,4 - addition reaction in conjugated diene's	<b>P4</b>	-
	26	Monday	19-06-2023	Preparation of alkynes, Reactions of alkynes ;Acidity	<b>P5</b>	-
	27	Tuesday	20-06-2023	Electrophilic and nucleophilic additions in alkynes	<b>P1</b>	-
	28	Wednesday	21-06-2023	Hydration to form carbonyl compounds, Alkylation of terminal alkynes	<b>P9</b>	-
<b>Unit - III ; Benzene and its reactivity</b>	29	Thursday	22-06-2023	Concept of aromaticity, Huckel's rule	<b>P1</b>	-
	30	Friday	23-06-2023	Standardisation of hypo and determination of copper(II) (Lab)	<b>P1,P2</b>	-
	31	Saturday	24-06-2023	Huckel's rule applicable to benzenoid compounds( Benzene , Naphthalene)	<b>P4</b>	-
	32	Monday	26-06-2023	Huckel's rule applicable to non- benzenoid compounds ( Cyclopropenyl cation)	<b>P2</b>	-
	33	Tuesday	27-06-2023	Huckel's rule application to non benzenoid compounds (Cyclopentadienyl anion and tropylium cation )	<b>P6</b>	-
	34	Wednesday	28-06-2023	Reactions - General mechanism of electrophilic aromatic substitution, Mechanism of nitration	<b>P5</b>	-
	35	Friday	30-06-2023	Estimation of sodium carbonate and sodium hydrogen carbonate present in the mixture	<b>P1</b>	-

	36	Saturday	01-07-2023	Freidal - Crafts alkylation and acylation	P1	-
	37	Monday	03-07-2023	Orientionation of aromatic substitution - ortho, para and meta directing groups	P9	-
	38	Tuesday	04-07-2023	Ring activating and deactivating groups with groups	P4	-
	39	Wednesday	05-07-2023	Electronic interpretation of various groups like NO <sub>2</sub> and phnolic	P1	-
	40	Thursday	06-07-2023	Orientation of i) Amino, methoxy and methyl groups	P10	-
	41	Friday	07-07-2023	Estimation of water of crystallization in Mohr's salt by titrating with KMnO <sub>4</sub>	P1	-
	42	Monday	10-07-2023	Orientation of ii) Carboxy, nitro, nitrile, carbonyl groupsc	P2	-
	43	Tuesday	11-07-2023	Orientation of Sulphonic acid group, iii) Halogens.	P8	-
	44	Wednesday	12-07-2023	Colloids- Coagulation of colloids-Hardy-Schulze rule.	P4	-
	45	Thursday	13-07-2023	Stability of colloids, Protection of colloids, Gold number	P1	-
	46	Friday	14-07-2023	Adsorption-Physical and Chemical adsorption.	P5	-
	47	Saturday	15-07-2023	Langmuir adsorption isotherm	P6	-
	Unit-IV: 1.Surface Chemistry,2 Chemical Bonding, 3.HSAB	48	Monday	17-07-2023	Applications of adsorption.	P1
49		Tuesday	18-07-2023	Hybridisation	P8	-
50		Wednesday	19-07-2023	Valence bond theory, VB theory as applied to ClF <sub>3</sub> , Ni(CO) <sub>4</sub>	P1	-
51		Thursday	20-07-2023	Molecular orbital theory-LCAO method	P5	-
52		Friday	21-07-2023	Consruction of M.O. diagrams for homo-nuclear diatomic molecules(N <sub>2</sub> ) molecule	P6	-
53		Saturday	22-07-2023	Consruction of M.O. diagrams for homo-nuclear diatomic molecules(O <sub>2</sub> ) molecule	P1	-
54		Monday	24-07-2023	Construction of M.O. diagrams for hetero-nuclear diatomic molecules (CO and NO)	P7	-
55		Tuesday	25-07-2023	Pearson's concept, HSAB principle	P9	-
56		Wednesday	26-07-2023	Importance of HSAB principle, bonding in Hard-Hard and Soft-Soft combinations	P10	-

<b>Unit-V: Stereochemistry of carbon compounds</b>	57	Thursday	27-07-2023	Molecular representations-Wedge, Fischer formulae,Newmann and Saw-Horse formulae	<b>P2</b>	-
	58	Friday	28-07-2023	Optical isomerism: Optical activity- wave nature of light, plane polarized light Optical rotation and Specific rotation	<b>P4</b>	-
	59	Friday	28-07-2023	Chiral molecules-definition and criteria(Symmetry elements)Definition of enantiomers and diastereomers-Explanatin of optical isomerism with examples-Glyceraldehyde, Lactic acid,Alanine	<b>P6</b>	-
	60	Saturday	29-07-2023	Optical isomerism with examples -Tartaric acid, 2,3-dibromopentane D,L and E,Z configurations with examples	<b>P1</b>	-
	61	Monday	31-07-2023	R,S configurations with examples Definition of Recemic mixture-Resolution of Racemic mixtures(any 3 techniques)	<b>P6</b>	-

  
Signature of the Lecturer

  
Signature of the HOD

  
Signature of the Principal

P1- Lecture  
P2- Demonstration(Lab)  
P3- Audio and Video  
P4- Assignments  
P5- Seminar

P6- Debate  
P7- Quiz  
P8 - Group Discussion  
P9- JAM  
P10- PPT