

महाराणा प्रताप पी.जी. कालेज, जंगल धूसड़, गोरखपुर

कक्षा : एम.एस.सी. तृतीय सेमेस्टर					विषय : रसायनशास्त्र
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
16.07.14	1	Dr. Ram Sahay	I	UV. Visible Spectroscopy	Different Types of Electronic Transition
16.07.14	1	Priyanka Mishra	II	Cyclosterio Isomerism	Configuration & Confirmation of Mono
					Substituted Cyclohexane
17.07.14	2	Dr. Shalini Singh	I	Infrared Spectroscopy	Introduction, Harmonic Model of
					Diatomic Molecule
17.07.14	1	Priyanka Mishra	IV	Water Soluble Vitamins	Structure of Vitamin-C
18.07.14	2	Dr. S.K. Vernwal	II	Stereochemistory with	Genral Introduction
				Chiral centre	
18.07.14		Priyanka Mishra	IV	Water Soluble Vitamins	Structure of Vitamin-C
19.07.14	1	Dr. S.K. Vernwal	III	Rearrangements	Pinacole-pinacolone rearrangement
19.07.14	2	Priyanka Mishra	IV	Water Soluble Vitamins	Structure of Vitamin-C
21.07.14	3	Priyanka Mishra	II	Cyclossterio Isomerism	Stability of Mono Subtituted
					Cyclohexane
21.07.14	2	Dr. S.K. Vernwal	III	Rearrangements	Pinacole-pinacolone rearrangement
22.07.14	3	Dr. Shalini Singh	II	Infrared Spectroscopy	Vibrational Energies of Diatomic
					Molecwes, Zeropoint energy
22.07.14	3	Dr. S.K. Vernwal	III	Rearrangements	Wagner-Meerwein rearrangement
23.07.14	4	Dr. R. Sahay	I	UV. Visible Spectroscopy	Lambert's Beer's Law
23.07.14	4	Priyanka Mishra	II	Cyclossterio Isomerism	Configuration & Confirmation of
					Disubstituted Cyclohexane
24.07.14	5	Dr. R. Sahay	I	UV. Visible Spectroscopy	Chromorhores & Auxochromes solvent
					effect, Red Shift & Blue Shift
24.07.14	3	Priyanka Mishra	IV	Water Solvble Vitamins	Physiological function of Vitamin-C
26.07.14	5	Dr. S.K. Vernwal	II	Stereochemistory	Elements of Symmetry
				withchiral centre	
26.07.14	4	Priyanka Mishra	IV	Water Solvble Vitamins	Structure of Vitamin-B
28.07.14	4	Dr. S.K. Vernwal	III	Rearrangements	Tiffenew-Demjanove Rearrangment
28.07.14	5	Priyanka Mishra	IV	Water Solvble Vitamins	Physiological Function of Vitamin-B1
30.07.14	6	Priyanka Mishra	II	Cyclossterio Isomerism	Stability of Disubstituted
					Cyclohexane

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30.07.14	5	Dr. S.K. Vernwal	III	Rearrangements	Dienone- Phenol Rearrangement
31.07.14	6	Dr. Shalini Singh	I	Infrared Spectroscopy	Force Constant, bond strength
					Anharmonicity
31.07.14	6	Dr. S.K. Vernwal	III	Rearrangements	Somelet-Hauser rearrangements
02.08.14	7	Dr. R.Sahay	I	UV. Visible Spectroscopy	woodwards rule for conjugated cyclic &
					Acylicdienes
02.08.14	7	Dr.S.K. Vernwal	II	Stereochemistry with Chiral centre	Molecules with more than one chiral centre
04.08.14	8	Dr. Shalini Singh	I	Infrared Spectroscopy	Morse Potential Energy diagram
04.08.14	6	Priyanka Mishra	IV	Water Soluble Vitamins	Structure of Vitamin-B2
05.08.14	8	Dr. S.K. Vernwal	II	Stereochemistry with Chiral centre	Threo and erythra isomers
05.08.14	7	Priyanka Mishra	IV	Water Soluble Vitamins	Structure of Vitamin-B2 and
06.08.14	7	Dr. S.K. Vernwal	III	Rearrangments	Stevens rearrangement
06.08.14	8	Priyanka Mishra	IV	Water Solvble Vitamins	Structure of Vitamin-B2 and
					Physiological function
07.08.14	9	Priyanka Mishra	II	Cyclosterio Isomerism	Chirality of disubstituted Cyclohexanes
07.08.14	8	Dr. S.K. Vernwal	III	Rearrangements	Stevens rearrangement
08.08.14		Dr. Shalini Singh	I	Class Teaching	
08.08.14	9	Dr. S.K. Vernwal	III	Rearrangements	Favorski rearrangement
09.08.14	9	Dr. R. Sahay	I	UV. Visible spectroscopy	A,B Unsaturated Carbonyl Compounds
09.08.14	10	Priyanka Mishra	II	Sterio Chemistry of S&P	Geometrical Isomertsm of C=N
				Compunds	Compound
11.08.14	10	Dr. R. Sahay	I	UV. Visible spectroscopy	A,B Unsaturated Carbonyl Compounds
11.08.14	9	Priyanka Mishra	IV	Fat Solvble Vitamin	Structure of Vitamin-A
12.08.14	11	Dr. S.K. Vernwal	II	Stereochemistry with Chiral centre	Intercenversion of fischer and
					Newman projections
12.08.14	10	Priyanka Mishra	IV	Fat Solvble Vitamin	Structure & Physiological function of
					Vitamin-A
13.08.14	10	Dr. S.K. Vernwal	III	Rearrangements	Favorski rearrangements

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13.08.14	11	Priyanka Mishra	IV	Fat Solvble Vitamin	Structure of Vitamin-E
14.08.14	12	Priyanka Mishra	II	Sterio Chemistry of S & P	Geometrical Isomerism of C=N
				Compound	Compound
14.08.14	11	Dr. S.K. Vernwal	III	Dr. S.K. Vernwal	Witting Rearrangement
16.08.14	11	Dr. Shalini Singh	I	Infrared Spectroscopy	vibration rotation spectroscopy PQR branch
16.08.14		Dr. S.K. Vernwal	III	Class Teaching	
19.08.14	12	Dr. R. Sahay	I	UV. Spectroscopy	Absorption in Aromatic compounds
19.08.14	12	Dr. S.K. Vernwal	III	Rearrangements	Hoffmann Rearrangment
20.08.14	13	Dr. Shalini Singh	I	Infrared Spectroscopy	Break down of born-oppenheimer
					appronimation
20.08.14	12	Priyanka Mishra	IV	Fat Solvble Vitamin	Structure of Vitamin-E
21.08.14	13	Dr. S.K. Vernwal	II	Stereochemistry with	Interconversion of fischer and
				Chiral centre	sawhorse projections
21.08.14	13	Priyanka Mishra	IV	Fat Solvble Vitamin	Physiological function of Vitamin-E
22.08.14	13	Dr. S.K. Vernwal	III	Rearrangements	Hoffmann Rearrangment
22.08.14	14	Priyanka Mishra	IV	Fat Solvble Vitamin	Structure of Vitamin-K1
23.08.14	14	Priyanka Mishra	II	Stereochemistry of S & P compound	Geometrical Isomerism of C=N compound
23.08.14	14	Dr. S.K. Vernwal	III	Rearrangements	Curtius Rearrangment
25.08.14		Dr. Shalini Singh	I	Evaluation	sele
25.08.14	15	Dr. S.K. Vernwal	III	Rearrangements	Curtius Rearrangment
26.08.14	14	Dr. R. Sahay	I	Diffraction methods	Xray, Principle, Eludation of crystal
					structure of nacl, by xray diffraction
26.08.14	15	Prinka Mishra	II	Stereochemistry of S&P	Geometrical Isomerism of C=N
				compound	compound
27.08.14	15	Dr. R. Sahay	I	Diffraction methods	Structure factor, Phase, Problem
27.08.14	15	Priyanka Mishra	IV	Fat Solvble Vitamin	Structure and Physicological function of
					Vitamin-K1

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28.08.14	16	Priyanka Mishra	IV	Stroidal Hormones	Introduction of Estrogens & Androgens
29.08.14	16	Dr. S.K. Vernwal	III	Rearrangements	Lossen Rearrangement
29.08.14	17	Priyanka Mishra	IV	Steroidial Hormones	Structure of oe Strone
30.08.14	17	Priyanka Mishra	II	Sterio chemistry of S & P compound	Geometrical Isomerism of C=N compound
30.08.14	17	Dr. S.K. Vernwal	III	Rearrangements	Lossen Rearrangement
01.09.14	16	Dr. Shalini Singh	I	Infrared Spectroscopy	Selection rules, ower lones hot bands
01.09.14		Dr. S.K. Vernwal	III	Class Teaching	
02.09.14	17	Dr. R. Sahay	I	Diffraction Methods	Method for structure Determination by
					trial and error methods
02.09.14	18	Dr. S.K. Vernwal	II	Stereochemistry with chiral centre	Configurational projections
03.09.14	18	Dr. Shalini Singh	I	Infrared Spectroscopy	Absorption by common functional groups
03.09.14	18	Priyanka Mishra	IV	Steroidial Hormones	Synthesis & Relationship to Estradiol of
					destrone
04.09.14	19	Priyanka Mishra	II	Sterio chemistry of S & P compound	Geometrical Isomerism of N=N compound
04.09.14	19	Priyanka Mishra	IV	Steroidial Hormones	Synthesis of destrone
05.09.14	18	Dr. S.K. Vernwal	III	Rearrangements	Schmidt rearrangement
05.09.14	20	Priyanka Mishra	IV	Steroidial Hormones	Synthesis and relationship to estradiol
06.09.14	20	Dr. S.K. Vernwal	II	Stereochemistry with chiral centre	R/S Nomenculture
06.09.14	19	Dr. S.K. Vernwal	III	Rearrangements	Schmidt rearrangement
10.09.14		Dr. Shalini Singh	I	Class Teaching	
10.09.14	20	Dr. S.K. Vernwal	III	Rearrangements	Beekmann rearrangement
12.09.14	19	Dr. R. Sahay	I	Diffraction methods	Fourier's methods of analysis
12.09.14	21	Dr. S.K. Vernwal	II	Stereochemistry with	E/Z Nomenculture

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13.09.14	20	Dr. Ram Shay	I	chiral centre	Pattersons function method
13.09.14	21	Priyanka Mishra	IV	Diffraction Methods	Preparation of Progesterone
16.09.14	22	Priyanka Mishra	II	Stereochemistry of S&P	Geometrical isomerism of N=N
				Compound	Compound
16.09.14	22	Priyanka Mishra	IV	Steroidal hormones	Physiological function of progesterone
18.09.14	21	Dr.S.K. Vernwal	IV	Rearrangements	Baeyer-Villiger Oxidation
18.09.14	23	Priyanka Mishra	IV	Non-Steroidal Hormones	Structure of Thyroxine
19.09.14	23	Dr. S.K.Vernwal	II	Stereomerismwith axial/planar	Principles of axial and planar chirality
				chirality	
19.09.14	22	Dr. S.K. Vernwal	III	Rearrangements	Baeyer-Villiger Oxidation
20.09.14	21	Dr. Shalini Singh	I	Infrared Spectroscopy	IR- Instrumentation and Sampling
20.09.14		Dr. S.K. Vernwal	III	Class Teaching	
22.09.14	21	Dr. R. Sahay	I	Electron Diffraction	Principle, Technique, Scattering,
					Intensity versus scattering angle
					curves
22.09.14	24	Priyanka Mishra	II	Stereochemistry of S&P	Geometrical Isomerism of N=N
				Compound	Compound
24.09.14	22	Dr. Shalini Singh	I	Infrared Spectroscopy	FT-IR
24.09.14	24	Priyanka Mishra	IV	Non-Steroidal Hormones	Physiological function of Thyroxine
26.09.14	25	Dr. S.K. Vernwal	II	Stereomerismwith axial/planar	Principles of axial and planar chirality
				chirality	
26.09.14	25	Priyanka Mishra	IV	Non-Steroidal Hormones	Structure of adrenalin
27.09.14	23	Dr. S.K. Vernwal	III	Rearrangements	Wittig Rearrangement
27.09.14	26	Priyanka Mishra	IV	Non-Steroidal Hormones	Structure & Physiological function of
					adrenalin
29.09.14	26	Dr. S.K. Vernwal	II	Stereomerismwith axial/planar	Optical isomerism of biphenyl
				chirality	
29.09.14	24	Dr. S.K. Vernwal	III	Rearrangements	Benzidine Rearrangement

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30.09.14		Dr. Shalini Singh	I	Evaluation	
30.09.14	25	Dr. S.K. Vernwal	III	Pericyclic Reactions	Characteristics and classification
01.10.14	23	Dr. R. Sahay	I	Electron Diffraction	Wieral Equation
01.10.14	27	Priyanka Mishra	II	Asymmetric Synthesis	Regeoslsctivity
07.10.14	24	Dr. R. Sahay	I	Electron Diffraction	Low Energy Electron Diffraction [Leed]
07.10.14	27	Priyanka Mishra	IV	Steroids	Diel's Hydrocabon
09.10.14	28	Dr. S.K. Vernwal	II	Stereomerismwith axial/planar chirality	Optical isomerism of biphenyl
09.10.14	28	Priyanka Mishra	IV	Steroids	Determination of ring system in
					cholesterol
10.10.14	26	Dr. S.K. Vernwal	III	Pericyclic reactions	Conservation of molecular orbital symmetry
10.10.14	29	Priyanka Mishra	IV	Steroids	Determination of ring system in
					cholesterol
11.10.14	29	Dr. S.K. Vernwal	II	Stereomerismwith axial/planar chirality	Optical isomerism of allenes
11.10.14	27	Dr. S.K. Vernwal	III	Pericyclic reactions	Study of electrocyclic reaction by Corelation method
13.10.14	25	Dr. S. Singh	I	Infrared Spectroscopy	Problems related IR specstrscopy
13.10.14		Dr. S.K. Vernwal	III	Class Teaching	
14.10.14	26	Dr. R. Sahay	I	Neutron Diffraction	Principle, Technique
14.10.14	30	Priyanka Mishra	II	Asymmetric Synthesis	stereo selestivity
15.10.14	27	Dr. S. Singh	I	Raman Spectroscopy	Theories of raman effect classical theory
15.10.14	30	Priyanka Mishra	IV	Sterodies	Position of Hydroxil Group in Cholesterol
16.10.14	31	Dr. S.K. Vernwal	II	Stereomerismwith axial/planar chirality	Optical isomerism of allenes
16.10.14	31	Priyanka Mishra	IV	Sterodies	Angular Methyl Group in Cholesterol
17.10.14	28	Dr. S.K. Vernwal	III	Pericyclic reactions	Study of electrocyclic reaction by Corelation method
17.10.14	32	Priyanka Mishra	IV	Sterodies	Double Bond in Cholesterol

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18.10.14	29	Dr. S.K. Vernwal	III	Pericyclic reactions	Study of electrocyclic reaction by FMO method
27.10.14	28	Dr. S. Singh	I	Evaluation	
27.10.14	30	Dr. S. K. Vernwal	III	Pericyclic reactions	Study of electrocyclic reaction by FMO method
28.10.14	29	Dr. R. Sahay	I	Neutron Diffraction	Difference with electron diffraction
28.10.14	33	Dr. S. K. Vernwal	II	Stereomerismwith axial/planar	Optical isomerism of Spiranes
30.10.14	30	Dr. R. Sahay	I	chirality Neutron Diffraction	Problem Related to Spectroscopy
30.10.14	33	Priyanka Mishra	IV	Steroids	Nature and Position of side chain in cholesterol
31.10.14	34	Dr. S. K. Vernwal	II	Stereomerismwith axial/planar chirality	Optical isomerism of Spiranes
31.10.14	34	Priyanka Mishra	IV	Steroids	Synthesis of cholesterol
01.11.14	31	Dr. S. K. Vernwal	III	Pericyclic reactions	Study of electrocyclic reaction by FMO method
01.11.14	35	Priyanka Mishra	IV	Steroids	Synthesis of cholesterol
07.11.14	35	Priyanka Mishra	II	Asymmetric Synthesis	Synthesis Involving Chiral Catalysis
07.11.14	32	Dr. S.K. Vernwal	III	Pericyclic reactions	Study of electrocyclic reaction by FMO method
08.11.14	29	Dr. S. Singh	I	Raman Spectroscopy	Quantum Theory
08.11.14		Dr. S.K. Vernwal	III	Class Teaching	
10.11.14	36	Priyanka Mishra	II	Asymmetric Synthesis	Synthesis Involving AuxillaryChiral Reagent
11.11.14	31	Dr. S. Singh	I	Raman Spectroscopy	Selection rules, Ploarigation Plarised and depolarised raman lines
11.11.14	36	Priyanka Mishra	IV	Steroids	synthesis of Cholesterol
12.11.14	37	Dr. S.K. Vernwal	III	Stereomerismwith axial/planar chirality	Optical activity due to intramolecular overcrowding

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13.11.14	33	Dr. S.K. Vernwal	III	Pericyclic relation	study of electrocyclic reactions by PMO
13.11.14	38	Priyanka Mishra	IV	Corticoids	Method Chemistry of cortisone
14.11.14	38	Priyanka Mishra	II	Asymmetric Synthesis	Synthesis Involving Chiral Catalysis
14.11.14	34	Dr. S.K. Vernwal	III	Pericyclic reactions	Study of cycloaddition reactions by correlation method
15.11.14		Dr. S. Singh	I	Class Teaching	
15.11.14	35	Dr. S.K. Vernwal	III	Pericyclic reactions	Study of Cycloaddition reactions by correlation method
17.11.14	39	Dr. S.K. Vernwal	III	Topocity and prostereomerism	Introduction
18.11.14	33	Dr. S. Singh	I	Raman Spectroscopy	Mutual Enclusion principle Hydrogen
18.11.14	39	Priyanka Mishra	IV	Corticoids	Bonding Chemistry of Cortisone
19.11.14	40	Dr. S.K. Vernwal	II	Topocity and prostereomerism	Deaterotopics atoms, groups and faces
19.11.14	40	Priyanka Mishra	IV	Corticoids	Therapeutic uses of cortisone
20.11.14	36	Dr. S.K. Vernwal	III	Pericyclic	reactions Study of cydoaddition reactions by FMO method
21.11.14	41	Priyanka Mishra	II	Asymmetric Synthesis	Quasirecemeate
21.11.14	37	Dr. S.K. Vernwal	III	Pericyclic reactions	Study of Cycloaddition reactions by FMO method
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22.11.14		Dr. S.K. Vernwal	III	Evaluation	
25.11.14	42	Dr. S.K. Vernwal	II	Topocity and	Nomenclature and symbols
26.11.14	36	Dr. S. Singh	I	prostereoisomerism Raman Spectroscopy	Problems related with Raman Spectroscopy
27.11.14	43	Dr. S.K. Vernwal	II	Topocity and	Nomenclature and symbols
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29.11.14	39	Dr. S.K. Vernwal	III	Pericyclic reactions	Study of cycloaddition reactions by PMO Method
01.12.14		Dr. Shalini Singh	I	Class Teaching	
01.12.14	40	Dr. S.K. Vernwal	III	Pericyclic reactions	Study of Diel's-Alder reactions
02.11.14	45	Priyanka Mishra	II	Asymmetric Synthesis	Optical purity
08.12.14	41	Dr. S.K. Vernwal	III	Pericyclic reactions	Study of Diel's-Alder reactions
09.12.14	42	Dr. S.K. Vernwal	III	Pericyclic reactions	Study of [1,3] Sigmatropic shift
11.12.14	39	Dr. S. Singh	I	Raman spectroscopy	Problem related to raman spectros copy
11.12.14		Dr.S.K. Vernwal	III	Class Teaching	
17.12.14	43	Dr.S.K. Vernwal	III	Pericyclic reactions	Study of [1,5] Sigmatropic shift
18.12.14	44	Dr.S.K. Vernwal	III	Pericyclic reactions	Group Transfer reactions
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