

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

कक्षा : एम.एस-सी. तृतीय		पाठ्यक्रम योजना : सत्र 2018-19			विषय : रसायनशास्त्र
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
16/07/2018	1	Priyanka Mishra	II	Cyclostereoisomerism	Configuration and conformation of mono substituted cyclohexanes
16/07/2018	1	Sanjay Jaiswal	I	UV-Visible Spectroscopy	Different type of electronic transition
17/07/2018	2	Dr. Shiv Kumar Vernwal	II	Stereochemistry with chiral center	General introduction
17/07/2018	2	Sanjay Jaiswal	I	UV-Visible Spectroscopy	Lambert's beer's law
18/07/2018	3	Dr. Shiv Kumar Vernwal	II	Stereochemistry with chiral center	Elements of symmetry
18/07/2018	1	Priyanka Mishra	IV	Water soluble Vitamin	Water soluble Vitamin
19/07/2018	1	Dr. Shiv Kumar Vernwal	III	Rearrangement	Pinacol- Pinacolone rearrangement
19/07/2018	2	Priyanka Mishra	IV	Water soluble Vitamin	Water soluble Vitamin
20/07/2018	2	Dr. Shiv Kumar Vernwal	III	Rearrangement	Pinacol- Pinacolone rearrangement
20/07/2018	3	Priyanka Mishra	IV	Water soluble Vitamin	Structure of Vitamin C
21/07/2018		Dr. Shiv Kumar Vernwal	CT		
21/07/2018	3	Pradeep Kumar Verma	I	Diffraction Method	X-ray principle elucidation of crystal structure NaCl by X-ray
23/07/2018	4	Priyanka Mishra	II	Cyclostereoisomerism	Stability of monosubstituted cyclohexane
23/07/2018	4	Sanjay Jaiswal	I	UV-Visible Spectroscopy	Chromophore and Auxochrome
24/07/2018	5	Dr. Shiv Kumar Vernwal	II	Stereochemistry with chiral center	Molecules with more than one chiral center
24/07/2018	5	Sanjay Jaiswal	I	UV-Visible Spectroscopy	Solvent effect
25/07/2018	6	Dr. Shiv Kumar Vernwal	II	Stereochemistry with chiral center	Threo and erythro isomer
25/07/2018	4	Priyanka Mishra	IV	Water soluble Vitamin	Structure of Vitamin C
26/07/2018	3	Dr. Shiv Kumar Vernwal	III	Rearrangement	Wanger-Meerwein rearrangement
26/07/2018	5	Priyanka Mishra	IV	Water soluble Vitamin	Biological function of Vitamin C
27/07/2018	4	Dr. Shiv Kumar Vernwal	III	Rearrangement	Tiffenev- Demjanov rearrangement
27/07/2018	6	Priyanka Mishra	IV	Water soluble Vitamin	Structure of Vitamin B1
28/07/2018	5	Dr. Shiv Kumar Vernwal	III	Rearrangement	Dienone –Phenol rearrangement
28/07/2018		Pradeep Kumar Verma	ME		
30/07/2018	7	Priyanka Mishra	II	Cyclostereoisomerim	Configuration and conformation of di substituted cyclohexane
30/07/2018	6	Sanjay Jaiswal	I	UV-Visible Spectroscopy	Red shift and Blue shift
31/07/2018	8	Dr. Shiv Kumar Vernwal	II	Stereochemistry with chiral center	Inter conversion of Fisher and Neumann projection
31/07/2018	7	Sanjay Jaiswal	I	UV-Visible Spectroscopy	Woodwards rule for conjugated cyclic and acyclic diene
01/08/2018	9	Dr. Shiv Kumar Vernwal	II	Stereochemistry with chiral center	Inter conversion of Fisher-sawhorse projection
01/08/2018	7	Priyanka Mishra	IV	Water soluble Vitamin	Structure of Vitamin B1
02/08/2018	6	Dr. Shiv Kumar Vernwal	III	Rearrangement	Sommelet – hauser rearrangement
02/08/2018	8	Priyanka Mishra	IV	Water soluble Vitamin	Structure of Vitamin B2
03/08/2018	7	Dr. Shiv Kumar Vernwal	III	Rearrangement	Stevens rearrangement
03/08/2018	9	Priyanka Mishra	IV	Water soluble Vitamin	Structure of Vitamin B2

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

कक्षा : एम.एस-सी. तृतीय			पाठ्यक्रम योजना : सत्र 2018-19		विषय : रसायनशास्त्र
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
04/08/2018		Dr. Shiv Kumar Vernwal	CT		
04/08/2018	8	Pradeep Kumar Verma	I	Diffraction Method	Structure factor and phase problem
06/08/2018	10	Priyanka Mishra	II	Cyclosteroisomerism	Stability of disubstituted of cyclohexane
06/08/2018	9	Sanjay Jaiswal	I	UV-Visible Spectroscopy	Woodwards rule for conjugated cyclic and acyclic diene
07/08/2018	11	Dr. Shiv Kumar Vernwal	II	Stereochemistry with chiral center	Inter conversion of Neumann-sawhorse projection
07/08/2018	10	Sanjay Jaiswal	I	UV-Visible Spectroscopy	Woodwards rule for conjugated cyclic and acyclic diene
08/08/2018	12	Dr. Shiv Kumar Vernwal	II	Stereochemistry with chiral center	Inter conversion of Neumann-sawhorse projection
08/08/2018	10	Priyanka Mishra	IV	Water soluble Vitamin	Physiological function of Vitamin B2
09/08/2018	8	Dr. Shiv Kumar Vernwal	III	Rearrangement	Favorskii rearrangement
09/08/2018	11	Priyanka Mishra	IV	Fat soluble Vitamin	Structure of Vitamin A
10/08/2018	9	Dr. Shiv Kumar Vernwal	III	Rearrangement	Favorskii rearrangement
10/08/2018	12	Priyanka Mishra	IV	Fat soluble Vitamin	Structure of Vitamin A
11/08/2018	10	Dr. Shiv Kumar Vernwal	III	Rearrangement	Witting rearrangement
11/08/2018		Pradeep Kumar Verma	CT		
12/08/2018	13	Priyanka Mishra	II	Cyclosteroisomerism	Chirality of disubstituted of cyclohexane
12/08/2018	11	Sanjay Jaiswal	I	UV-Visible Spectroscopy	α , β unsaturated carbonyl compound
13/08/2018	14	Dr. Shiv Kumar Vernwal	II	Stereochemistry with chiral center	Configurational projection
13/08/2018	12	Gaurav Tiwari	I	IR Spectroscopy	Introduction , Linear harmonic oscillator
16/08/2018	11	Dr. Shiv Kumar Vernwal	III	Rearrangement	Hoffmann rearrangement
16/08/2018	13	Priyanka Mishra	IV	Fat soluble Vitamin	Structure of Vitamin A
17/08/2018	12	Dr. Shiv Kumar Vernwal	III	Rearrangement	Curtius rearrangement
17/08/2018	14	Priyanka Mishra	IV	Fat soluble Vitamin	Structure of Vitamin A
18/08/2018	13	Dr. Shiv Kumar Vernwal	III	Rearrangement	Curtius rearrangement
18/08/2018	13	Pradeep Kumar Verma	I	Diffraction Method	Patterson function methods
20/08/2018	15	Priyanka Mishra	II	Stereochemistry of S and P compound	Geometrical isomerism of C=N compounds
20/08/2018	14	Gaurav Tiwari	I	IR Spectroscopy	Vibrational energy of diatomic molecule
21/08/2018		Priyanka mishra	CT		
21/08/2018	15	Gaurav Tiwari	I	IR Spectroscopy	Zero point energy
23/08/2018	14	Dr. Shiv Kumar Vernwal	III	Rearrangement	Curtius rearrangement
23/08/2018	15	Priyanka Mishra	IV	Fat soluble Vitamin	Physiological function of Vitamin A
24/08/2018	15	Dr. Shiv Kumar Vernwal	III	Rearrangement	Lossen rearrangement
24/08/2018	16	Priyanka Mishra	IV	Fat soluble Vitamin	Structure of Vitamin E
25/08/2018	16	Dr. Shiv Kumar Vernwal	III	Rearrangement	Schmidt rearrangement

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

कक्षा : एम.एस-सी. तृतीय		पाठ्यक्रम योजना : सत्र 2018-19			विषय : रसायनशास्त्र
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
25/08/2018	16	Pradeep Kumar Verma	I	Diffraction Method	Patterson function methods
27/08/2018	16	Priyanka Mishra	II	Stereochemistry of S and P compound	Geometrical isomerism of C=N compounds
27/08/2018	17	Gaurav Tiwari	I	IR Spectroscopy	Force constant and bond strength
28/08/2018	17	Priyanka Mishra	II	Stereochemistry of S and P compound	Geometrical isomerism of N=N compounds
28/08/2018		Gaurav Tiwari	ME		
29/08/2018	18	Dr. Shiv Kumar Vernwal	II	Stereochemistry with chiral center	R/S and E/Z nomenclature
29/08/2018	17	Priyanka Mishra	IV	Fat soluble Vitamin	Structure of Vitamin E
30/08/2018	17	Dr. Shiv Kumar Vernwal	III	Rearrangement	Beckmann rearrangement
30/08/2018	18	Priyanka Mishra	IV	Fat soluble Vitamin	Biological function of Vitamin E
01/09/2018	18	Dr. Shiv Kumar Vernwal	III	Rearrangement	Bayer villager oxidation
01/09/2018	18	Pradeep Kumar Verma	I	Electron Diffraction	Wierl equation
04/09/2018	19	Priyanka Mishra	II	Stereochemistry of S and P compound	Geometrical isomerism of N=N compounds
04/09/2018	19	Gaurav Tiwari	I	IR Spectroscopy	Morse potential energy diagram
5/09/2018	20	Dr. Shiv Kumar Vernwal	II	Topocity and prostereomerism	Introduction
05/09/2018	19	Priyanka Mishra	IV	Fat soluble Vitamin	Structure of Vitamin K
06/09/2018	19	Dr. Shiv Kumar Vernwal	III	Rearrangement	Wolf rearrangement
06/09/2018		Priyanka Mishra	CT		
07/09/2018	20	Dr. Shiv Kumar Vernwal	III	Rearrangement	Wolf rearrangement
07/09/2018	20	Priyanka Mishra	IV	Fat soluble Vitamin	Structure of Vitamin K
08/09/2018	21	Dr. Shiv Kumar Vernwal	III	Rearrangement	Benzidine rearrangement
08/09/2018	20	Pradeep Kumar Verma	I	Electron Diffraction	Low energy electron diffraction
10/09/2018	21	Priyanka Mishra	II	Stereochemistry of S and P compound	Stereochemistry of S compound
10/09/2018	21	Gaurav Tiwari	I	IR Spectroscopy	Vibrational rotation spectroscopy
11/09/2018	22	Priyanka Mishra	II	Stereochemistry of S and P compound	Stereochemistry of S compound
11/09/2018	22	Gaurav Tiwari	I	I R Spectroscopy	P, Q, R branches
12/09/2018	23	Dr. Shiv Kumar Vernwal	II	Topocity and Prostereomerism	Homotropic ,enantiotropic atoms , group and face
12/09/2018	21	Priyanka Mishra	IV	Fat soluble Vitamin	Physiological of Vitamin K
13/09/2018	22	Dr. Shiv Kumar Vernwal	III	Rearrangement	Benzidine rearrangement
13/09/2018		Priyanka Mishra	CT		
14/09/2018	23	Gaurav Tiwari	III	Pericyclic Reactions	General characteristics of covservation of molecular orbital symmetry
14/09/2018	22	Priyanka Mishra	IV	Steroidal Hormones	Introduction of Estrogen and Androgen
15/09/2018	24	Gaurav Tiwari	III	Pericyclic Reactions	Study of electrocyclic reaction by co-relation method
15/09/2018	23	Pradeep Kumar Verma	I	Electron Diffraction	Low energy electron diffraction

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

कक्षा : एम.एस-सी. तृतीय			पाठ्यक्रम योजना : सत्र 2018-19		विषय : रसायनशास्त्र
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
17/09/2018	24	Gaurav Tiwari	II	Asymmetric synthesis	Stereoselectivity
17/09/2018	24	Gaurav Tiwari	I	IR Spectroscopy	Break down of Born-Oppenheimer approximation
18/09/2018	25	Dr. Shiv Kumar Vernwal	II	Topocity and Prostereomerism	Diastereotopic atoms , group and faces
18/09/2018	25	Gaurav Tiwari	I	IR Spectroscopy	
19/09/2018	26	Dr. Shiv Kumar Vernwal	II	Topocity and Prostereomerism	Nomenclature
19/09/2018	23	Priyanka Mishra	IV	Steroidal Hormones	Structure of Estrogen
20/09/2018	25	Gaurav Tiwari	III	Pericyclic Reactions	Study of electrocyclic reaction by co-relation method
20/09/2018		Priyanka Mishra	CT		
22/09/2018	26	Gaurav Tiwari	III	Pericyclic Reactions	Study of electrocyclic reaction by FMO method
22/09/2018	26	Pradeep Kumar Verma	I	Neutron Diffraction	Principle , Technique
24/09/2018	27	Gaurav Tiwari	II	Asymmetric synthesis	Synthesis involving chiral catalysis
24/09/2018	27	Gaurav Tiwari	I	IR Spectroscopy	Selection rule
25/09/2018	28	Gaurav Tiwari	II	Stereochemistry with axial/ planer chirality	Principles of axial planer chirality
25/09/2018	28	Gaurav Tiwari	I	IR Spectroscopy	Overtone , Hot bands
26/09/2018	29	Gaurav Tiwari	II	Stereochemistry with axial/ planer chirality	Principles of axial planer chirality
26/09/2018	24	Priyanka Mishra	IV	Steroidal Hormones	Synthesis and relationship of estradiol
27/09/2018	27	Gaurav Tiwari	III	Pericyclic Reactions	Study of electrocyclic reaction by FMO method
27/09/2018	25	Priyanka Mishra	IV	Steroidal Hormones	Relationship of estradiol
28/09/2018	28	Gaurav Tiwari	III	Pericyclic Reactions	Study of electrocyclic reaction by PMO method
28/09/2018		Priyanka Mishra	ME		
01/10/2018	30	Gaurav Tiwari	II	Asymmetric synthesis	Synthesis involving auxillary chiral reagents
01/10/2018	29	Gaurav Tiwari	I	IR Spectroscopy	Absorption by common functional groups
03/10/2018	31	Gaurav Tiwari	II	Stereochemistry with axial/ planer chirality	Optical isomerim of biphenyl
03/10/2018	26	Priyanka Mishra	IV	Steroidal Hormones	Synthesis of Oestrone
04/10/2018	29	Gaurav Tiwari	III	Pericyclic Reactions	Study of electrocyclic reaction by PMO method
04/10/2018	27	Priyanka Mishra	IV	Steroidal Hormones	Synthesis of Oestrone
05/10/2018	30	Gaurav Tiwari	III	Pericyclic Reactions	Study of Cycloaddition reaction by co-relation method
05/10/2018	28	Priyanka Mishra	IV	Steroidal Hormones	Synthesis of Oestrone
06/10/2018	31	Gaurav Tiwari	III	Pericyclic Reactions	Study of Cycloaddition reaction by co-relation method
06/10/2018	30	Pradeep Kumar Verma	I	Neutron Diffraction	Difference with electron diffraction
09/10/2018		Dr. Shiv Kumar Vernwal	CT		

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

कक्षा : एम.एस-सी. तृतीय		पाठ्यक्रम योजना : सत्र 2018-19			विषय : रसायनशास्त्र
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक
09/10/2018	31	Gaurav Tiwari	I	IR Spectroscopy	Brief description of IR and F.T.I.R. instruments
10/10/2018	32	Gaurav Tiwari	II	Stereochemistry with axial/ planer chirality	Optical isomerism of biphenyl
10/10/2018	29	Priyanka Mishra	IV	Steroidal Hormones	Synthesis and relationship of estradiol
11/10/2018	32	Gaurav Tiwari	III	Pericyclic Reactions	Study of Cycloaddition reaction by FMO method
11/10/2018	30	Priyanka Mishra	IV	Steroidal Hormones	Preparation of Progesterone
12/10/2018	33	Gaurav Tiwari	III	Pericyclic Reactions	Study of Cycloaddition reaction by FMO method
12/10/2018	31	Priyanka Mishra	IV	Steroidal Hormones	Physiological function of Progesterone
13/10/2018	34	Gaurav Tiwari	III	Pericyclic Reactions	Study of Cycloaddition reaction by PMO method
13/10/2018	32	Pradeep Kumar Verma	I	Neutron Diffraction	Difference with electron diffraction
15/10/2018	33	Gaurav Tiwari	II	Asymmetric synthesis	Synthesis involving auxiliary chiral reagent
15/10/2018	33	Gaurav Tiwari	I	Raman Spectroscopy	Theories of Raman Effect
16/10/2018	34	Gaurav Tiwari	II	Stereochemistry with axial/ planer chirality	Optical isomerism of allenes
16/10/2018	34	Gaurav Tiwari	I	Raman Spectroscopy	Conditions of Raman active vibrations
17/10/2018		Dr. Shiv Kumar Verwal	CT		
17/10/2018	32	Priyanka Mishra	IV	Non Steroidal Hormones	Structure of Thyroxine
22/10/2018	35	Gaurav Tiwari	II	Asymmetric synthesis	Quasirecemeate
22/10/2018	35	Gaurav Tiwari	I	Raman Spectroscopy	Selection rules
24/10/2018	36	Gaurav Tiwari	II	Stereochemistry with axial/ planer chirality	Optical isomerism of allenes
24/10/2018	33	Priyanka Mishra	IV	Non Steroidal Hormones	Physiological function of Thyroxine
25/10/2018	35	Gaurav Tiwari	III	Pericyclic Reactions	Study of Cycloaddition reaction by PMO method
25/10/2018	34	Priyanka Mishra	IV	Non Steroidal Hormones	Structure of Adrenalin
26/10/2018	36	Dr. Shiv Kumar Verwal	III	Pericyclic Reactions	Study of Cycloaddition reaction by PMO method
26/10/2018	35	Priyanka Mishra	IV	Steroids	Diel's hydrocarbon determination of ring system in Cholesterol
27/10/2018		Gaurav Tiwari	ME		
27/10/2018	36	Gaurav Tiwari	I	Raman Spectroscopy	Polarised and Depolarised Raman lines
29/10/2018	37	Gaurav Tiwari	II	Asymmetric synthesis	Quasirecemeate and Optical Purity
29/10/2018	37	Gaurav Tiwari	I	Raman Spectroscopy	Polarised and Depolarised Raman lines
31/10/2018	38	Gaurav Tiwari	II	Stereochemistry with axial/ planer chirality	Optical isomerism of Spiranes
31/10/2018	36	Priyanka Mishra	IV	Steroids	Angular methyl group in cholesterol
01/11/2018	37	Dr. Shiv Kumar Verwal	III	Pericyclic Reactions	Study of Diel's Alder reaction
01/11/2018	37	Priyanka Mishra	IV	Steroids	Double bond in cholesterol

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

कक्षा : एम.एस-सी. तृतीय		पाठ्यक्रम योजना : सत्र 2018-19			विषय : रसायनशास्त्र
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक

02/11/2018	38	Dr. Shiv Kumar Vernwal	III	Pericyclic Reactions	Study of Diel's Alder reaction
02/11/2018	37	Priyanka Mishra	IV	Steroids	Determination of position of side chain in cholesterol
03/11/2018	39	Dr. Shiv Kumar Vernwal	III	Pericyclic Reactions	Study of (1,3) sigmatropic shift
03/11/2018	38	Priyanka Mishra	IV	Steroids	Synthesis of cholesterol
12/11/2018		Gurav Tiwari	CT		
12/11/2018	38	Gaurav Tiwari	I	Raman Spectroscopy	Study of simple molecule such as SO ₂ , CO ₂
13/11/2018	39	Gaurav Tiwari	II	Asymmetric synthesis	Enantiomeric excess
13/11/2018	39	Gaurav Tiwari	I	Raman Spectroscopy	Study of simple of N ₂ O and C ₂ H ₂
14/11/2018	40	Gaurav Tiwari	II	Stereochemistry with axial/ planer chirality	Optical isomerism of Spiranes
14/11/2018	39	Priyanka Mishra	IV	Steroids	Chemistry of Cortisone
15/11/2018	40	Dr. Shiv Kumar Vernwal	III	Pericyclic Reactions	Study of (1,5) sigmatropic shift
15/11/2018	40	Priyanka Mishra	IV	Steroids	Chemistry of Cortisone
16/11/2018	41	Dr. Shiv Kumar Vernwal	III	Pericyclic Reactions	Claisen rearrangement
16/11/2018	41	Priyanka Mishra	IV	Steroids	Therapeutic use of Cortisone
17/11/2018	42	Gaurav Tiwari	III	Pericyclic Reactions	Cope rearrangement
17/11/2018	40	Gaurav Tiwari	I	Raman Spectroscopy	Hydrogen Bonding
19/11/2018	41	Gaurav Tiwari	II	Asymmetric synthesis	Enantiomeric excess
19/11/2018	41	Gaurav Tiwari	I	Raman Spectroscopy	Metals ion in solution
20/11/2018		Gaurav Tiwari	CT		
20/11/2018	42	Gaurav Tiwari	I	Raman Spectroscopy	Mutual exclusion principle
21/11/2018	42	Gaurav Tiwari	II	Stereochemistry with axial/ planer chirality	Optical isomerism due to intramolecular overcrowding
21/11/2018	42	Priyanka Mishra	IV	Steroids	Therapeutic use of Cortisone
22/11/2018	43	Gaurav Tiwari	III	Pericyclic Reactions	Oxy-cope rearrangement
22/11/2018	43	Priyanka Mishra	IV	Steroids	Therapeutic use of Cortisone
23/11/2018	44	Gaurav Tiwari	III	Pericyclic Reactions	Aza-cope rearrangement
23/11/2018	44	Priyanka Mishra	IV	Steroids	Therapeutic use of Cortisone
24/11/2018	45	Gaurav Tiwari	III	Pericyclic Reactions	Aza-cope's rearrangement
24/11/2018	43	Gaurav Tiwari	I	Raman Spectroscopy	Interpretation of Raman spectra
26/11/2018	43	Gaurav Tiwari	II	Stereochemistry with axial/ planer chirality	Optical isomerism due to intramolecular overcrowding
26/11/2018		Gaurav Tiwari	ME		
27/11/2018	44	Gaurav Tiwari	II	Stereochemistry with axial/ planer chirality	Optical isomerism due to intramolecular overcrowding

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

कक्षा : एम.एस-सी. तृतीय		पाठ्यक्रम योजना : सत्र 2018-19		विषय : रसायनशास्त्र	
दिनांक	व्याख्यान	प्राध्यापक का नाम	प्रश्नपत्र	अध्याय	शीर्षक

[illegible]