

Teaching plan 2014- 15**Name of Teacher:** Dr NEETU TRIPATHI**Department:** CHEMISTRY**College:** MKP (PG) COLLEGE

Class	Paper code	Name of Paper	Unit	Months
M.Sc. Ist Sem.	SOS/COO2	Organic Chemistry-I	Unit-4	
(Theory)		(Full Paper)	Aliphatic Nucleophilic Substitution	Aug. 2014 Sept.
			Unit-1	
			Nature of Bonding in Organic Molecules	Sept. Oct.
			Unit-2	
			Stereochemistry	Oct. Nov.
			Unit-5	
			Aliphatic Electrophilic Substitution	Nov.
			Unit-3	
			Reaction Mechanism: Structure & Reactivity	Dec.
M.Sc. 1 st Sem.	SOS/COO4	Group Theory & Spectroscopy	Unit-2 Unifying Principles	Sept Oct
(Theory)			Unit-4 Microwave Spectroscopy	Nov

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Class	Paper code	Name of Paper	Unit	Months
M.Sc. II nd Sem.	SOS/COO8	Organic Chemistry-II	Unit-1 Aromatic Electrophilic Substitution	Jan. 2015
(Theory)		(Full Paper)	Unit-2	
			Aromatic Nucleophilic Substitution	Feb.
			Unit-3	
			Free Radical Reactions	Feb. March
			Unit-7	
			Pericyclic Reactions	March
			Unit-6	
			Elimination Reaction	March April
			Unit-4	
			Addition to Carbon-Carbon multiple Bond	April
			Unit-5	
			Addition to Carbon-Hetro multiple Bond	April May
M.Sc. II nd Sem.	SOS/CO10	Spectroscopy & Separation Method	Unit-2 Raman Spectroscopy	Jan 2015 Feb
(Theory)			Unit-4 Chromatographic Methods	March

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M.Sc. I st Sem.	SOS/CO05	Laboratory Course	Organic Exercises	Sept 2014 to Dec. 2014
Practicals		LAB IA LAB IB	Demonstrative Exercises	
			Qualitative Analysis	
			Separation, purification & identification of compounds of Binary Mixture	
			Organic Synthesis	
			Seminars	
M.Sc. II nd Sem.	SOS/CO11	LAB II A	Organic Exercises	Jan 2015 to April 2015
Practicals		LAB II B	Organic Synthesis	
			Quantitative Analysis	
			Seminars	

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Class	Paper code	Name of Paper	Unit	Months
B.Sc. I st Year	CH-103	Physical Chemistry	Unit-1	
(Theory)		Paper-III	Gaseous State	Sept. 2014 Oct.
		(Full Paper)	Unit-2	
			Liquid State	Oct.
			Unit-3	
			Solid State	Nov.
			Unit-4	
			Colloidal State	Dec. Jan.
			Unit-6	
			Thermodynamics-I	Feb.
			Unit-5	
			Chemical Kinetics	March
B.Sc. I st Year Practicals	CHL-104	Laboratory Course	Demonstrative, Inorganic Qualitative Analysis, Quantitative Analysis,	Sept 2014- March 2015
			Physical exercises on Surface Tension & Viscosity, Viva Voce preparation	

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Class	Paper code	Name of Paper	Unit	Months
B.Sc. II nd Year	CH-203	Physical Chemistry	Unit-1	
(Theory)		Paper-III	Thermodynamics-II	Aug. 2014 Sept.
		(Half Paper)	Unit-2	
			Chemical Equilibrium	Oct. Nov
			Unit-3	
			Phase Equilibrium	Dec Jan
B.Sc. I st Year	CH-101	Inorganic Chemistry	Unit-1	
(Theory)		Paper-I (Half Paper)	Atomic structure	Oct Nov
			Unit-2 Periodic Properties	Dec
			Unit-3 Chemical Bonding	Jan 2015 Feb March