

Department of Chemistry Course Outcomes

Sl.No.	Semester	Course Code	Course Title		Course Outcomes(COs)
1	1		INORGANIC AND ORGANIC CHEMISTRY	CO1	To gain knowledge about preparation, structure and applications of compounds formed by the P block elements.
				CO2	To gain knowledge about preparation and reactivity of Grignard reagent and its activities in reactions
				CO3	To gain knowledge about basic organic chemistry definitions and types of reactions
				CO4	To understand about classification and preparation of acyclic and alicyclic hydrocarbons
				CO5	To gain knowledge about preparation, structure, reactivity of benzene and Aromaticity of benzene.
2	2		PHYSICAL AND GENERAL CHEMISTRY	CO1	To understand about properties of solids and characters of solids.
				CO2	To understand about the properties of liquids and gases.
				CO3	To gain knowledge about Basic definitions and azeotropic mixtures, CST systems.
				CO4	To gain knowledge about Colloidal solutions, Emulsions and Adsorptions.
				CO5	To gain knowledge about formation of bonds and Bonding theories.
3	3		INORGANIC AND ORGANIC CHEMISTRY	CO1	To gain knowledge about characteristic properties of d-block elements.
				CO2	To gain knowledge about Lanthanoids and Actinoids
				CO3	To gain knowledge about Theories of Metals like Free Electron theory, VBT, MO.
				CO4	To gain knowledge about Preparation and structures of some metal carbonyls
				CO5	To gain knowledge about SN1 and SN2 reactions.
				CO6	To gain knowledge about preparation and properties of alcohols and phenols
				CO7	To gain knowledge about preparation and properties of aldehydes and ketones.
				CO8	To gain knowledge about acid derivatives
				CO9	To gain knowledge about synthesis and reactivity of acetoacetic ester and malonic ester.
4	4		PHYSICAL CHEMISTRY AND SPECTROSCOPY	CO1	To gain knowledge about definitions and colligative properties.
				CO2	To gain the knowledge about one component system and two component system.
				CO3	To gain the knowledge about Laws and Theories of Electrochemistry.
				CO4	To gain the knowledge about electrodes and types of titrations.
				CO5	To gain the knowledge about basics of spectroscopy.
				CO6	To gain the knowledge about the transitions and types of electronic transitions.
				CO7	To gain the knowledge about the Functional group values Identification
				CO8	To gain the knowledge about the NMR signals and NMR values for some compounds.
5	5		INORGANIC, ORGANIC AND PHYSICAL CHEMISTRY	CO1	To gain knowledge about theories of complex compounds.
				CO2	To gain knowledge about magnetic behaviour of complexes
				CO3	To gain knowledge about stability of complexes.
				CO4	To gain knowledge about preparation, structure, conversions of Glucose and Fructose.
				CO5	To gain knowledge about preparation and properties of Amino acids.
				CO6	To gain knowledge about Thermodynamic properties.

Sl.No.	Semester	Course Code	Course Title		Course Outcomes(COs)
6	6		INORGANIC , ORGANIC AND PHYSICAL CHEMISTRY	CO1	To gain knowledge about preparation and properties of Nitro compounds.
				CO2	To gain knowledge about preparation and properties of amines.
				CO3	To gain knowledge about preparation and properties of Heterocyclic Compounds.
				CO4	To gain knowledge about SN1 and SN2 reactions of metal complexes.
				CO5	To gain knowledge about biological significance of some elements.
				CO6	To gain knowledge about rate of the reaction, zero, first, second order reactions.
				CO7	To gain knowledge about the photochemical laws.