Syllabus Of CIA I

Class	Subject	Unit	Name
B.Sc II sem	Part- a	Unit I	Fundamentals of Organic Chemistry, Mechanism of Organic Reactions, Aliphatic Hydrocarbon: Alkanes and Cycloalkanes, Alkenes
	Part- b	Unit IV	Chemical Kinetics, Experimental Methods of Chemical Kinetics, Chemistry of Noble Gases
B.Sc IV sem	Inorganic and Organic Chemistry -IV	Unit I	Inorganic Polymers and Bioinorganic Chemistry
		Unit III	Chemistry of Functional group-V (Carboxylic acids)
	Organic and Physical Chemistry -IV	Unit I	Spectroscopy-I (UV and IR)
		Unit IV	Electrochemistry-I
B.Sc VI sem	Inorganic and Organic Chemistry-VI [601 (A)]	Unit I	Metal Ligand Bonding and Thermodynamic & Kinetic aspects of Transition Metal Complexes
		Unit III	Heterocyclic Chemistry-I
	Organic and Physical Chemistry, P-VI [602 (B)]	Unit III	Phase Equilibrium
		Unit II	Amino Acids and Proteins
B.Sc II sem, Hons	Paper-I:-Reaction mechanism, Stereochemistry, Hydrocarbons, Aliphatic and Aromatic halides	Unit I	Structure and Bonding, Mechanism of Organic Reactions and Alkanes
		Unit II	Stereochemistry of Organic Compounds
	Paper -II: - Principles and Methods of Analytical Techniques	Unit I	Gravimetric analysis
		Unit III	Data analysis and comparison of results and Volumetric analysis
B.Sc IV Sem, Hons	Inorganic and Organic Chemistry -IV	Unit I	Inorganic Polymers and Bioinorganic Chemistry
		Unit III	Chemistry of Functional group-V (Carboxylic acids)
	Organic and Physical Chemistry-IV	Unit I	Spectroscopy-I (UV and IR)
		Unit IV	Electrochemistry-I
	Analytical Chemistry-IV	Unit I	Spectrophotometry
		Unit II	Flame emission and atomic absorption spectroscopy
B.Sc VI sem, Hons	Inorganic and Organic Chemistry-VI [601 (A)]	Unit I	Metal Ligand Bonding and Thermodynamic & Kinetic aspects of Transition Metal Complexes
		Unit III	Heterocyclic Chemistry-I
	Organic and Physical Chemistry, P-VI [602 (B)]	Unit III	Phase Equilibrium
		Unit II	Amino Acids and Proteins
	Analytical Chemistry, P-VI	Unit IV	NMR Spectroscopy
		Unit III	Automated Methods of Analysis