Class	Subject	Unit	Name
M.Sc. II Sem	Inorganic Chemistry	Unit-I Unit-III	Symmetry and Group Theory in Chemistry Metal π-complexes
	Organic Chemistry	Unit- III Unit-IV	Molecular rearrangement Pericyclic Reactions
	Physical Chemistry	Unit-I Unit-III	Classical Thermodynamics-I Surface Chemistry
	Spectroscopy-II	Unit-I Unit-IV	U.V and Visible Spectroscopy. Mass Spectrometry.
	Biophysical Chemistry	Unit-I Unit-II	Bioenergetics Bioploymer Interactions
	Environmental chemistry-I	Unit-I Unit-III	Atmospheric Chemistry Air Pollution
M.Sc. IV Sem (Organic)	Green Chemistry	Unit-I Unit-III	Introduction, Principle and Concepts of Green Chemistry Applications of Non-Conventional Energy Sources: Microwave induced and Ultrasound assisted Green Synthesis
	Organic Synthesis-II	Unit-I Unit III	Disconnection approach Ring Synthesis I
	Medicinal Chemistry and Natural Products-II	Unit-I Unit-II	Porphyrins and Prostaglandin Vitamins, Pyrethroids and Rotenoids
	Heterocyclic	Unit-I	Five membered Heterocycles

	Chemistry-II		with more than two Heteroatoms. Meso-ionic Heterocycles.
		Unit-II	Six-Membered Heterocycles with one Heteroatoms. Six-Membered Heterocycles with two or more heteroatoms.
M.Sc. IV Sem (Physical)	Nanochemistry and Nanocatalysis	Unit-I	Basic Concepts of Nanochemistry
		Unit-IV	Nanomaterials for Catalysis
	Polymer Chemistry	Unit-I	Basics of Polymers
		Unit-IV	Specialty polymers
	Chemistry of Materials	Unit-II	High temperature superconductors
		Unit-III	Thin Films and LB films
	Advanced Electrochemistry-II	Unit-I	Quantum Aspects
		Unit-II	Kinetics of Electrode Process