

UG Sem II	MJ02/MDP Major	MI02	SEC02/MDP			
	Extranuclear Structure of Atom(USM) Chemical Periodicity(MM) Acid-Base Reaction(KS) Redox reaction & Precipitation reaction(DP) Practical (DP)	Organic Chemistry (Fundamentals, Stereochemistry, Nucleophilic Substitution-Elimination, Aliphatic Hydrocarbons) Physical Chemistry (Chemical Kinetics) Practical(Organic&Physical)	Extraction(SKM+SP) (Leaf ingredient, eugenol, nicotine, curcumine, caffeine) Project (SKM+SP) (collection and introduction of 10 harbal plants)			
UG Sem IV	CC8	CC9	CC10	SEC2	GE4	DSC-1D(Gen)
	Thermodynamics Electrochemistry Quantum Chemistry (USM) Practical (USM)	Mettalurgy s/p-Block Elements Coordination Chemistry Practical (MM)	Nitrogen compound(SP) Rearrangements(SKM) Retro/Asymmetry Synthesis(KS) Organic Spectroscopy(KS) Practical (DP)	Analytical Chemistry/ Cosmetics&perfumes /Pesticides(SKM+SP)/ Fuel Chemistry Practical(SKM)	Physical Chemistry (Solution, Phase Rule, Conductance, Cell) Analytical&Environmental Chemistry (Gravimetry, volumetry, Chromatography, Atmosphere, Hydrosphere, Lithosphere) Practical (Physical Chemistry)	Coordination Chemistry State of Matter Chemical Kinetic Practical (Physical&Inorganic)
UG Sem VI	CC13	CC14	DSE3	DSE4		DSE1B
	Bioinorganic Organometallic Catalysis Reaction Kinetics (MM) Practical (MM)	Spectroscopy(BJ) Photochemistry(BJ) Surface Chemistry(USM) Practical(USM)	Green Chemistry(SP+SKM) (Introduction, Principles&Designing, Examples, Future Trends) Practical(SP+SKM)	Polymer Chemistry (DP)(Introduction, Functionality&Importance, Kinetics, Crystallization, Nature&Structure, Molecular Weight, Glass transition, Polymer solution, Polymer properties) Practical (DP)		Analytical/ Polymer/ Instrumental/Organometallics, Bioinorganic, hydrocarbons, UV, IR
PG Sem II	CEM 201	CEM 202	CEM 203		CEM 295	CEM 296
	Quantum, Kinetics, Electronic Spectroscopy Raman Scattering Surface Chemistry	Pericyclic(DP) Reagent Chemistry(DP) Retrosynthesis(SP) Stereochemistry (KS+SKM)	Group theory (USM) Organometallics (MM) p/d-Block elements		Organic Chemistry Practical (SP)	Physical Chemistry Practical(BJ)
PG Sem IV	CEM 401	CEM 402	CEM 403	CEM 404	CEM 495	
	Spectroscopy and Structure Elucidation (SP+KS)	Organic Photochemistry(KS) Biological Active Molecules(DP) Vitamins& Co-enzymes(DP) Heterocycles(SKM)	Stereochemistry: III, IV, V, VI, VII (KS+DP+SKM)	Diary Processing Cereal Processing Fats&Oils Processing Quality Control&Food Safety (SP+DP)	Project	

DP: Dipankar Pramanik; USM: Uday Sankar Midya; KS: Khokan Samanta; SP: Sudipta Pathak; SKM: Saikat Kumar Manna; BJ: Barnali Jana; MM: Monotosh Mondal