

## Syllabus distribution for Semester-II/IV/VI

### Honours Courses

Semester	Paper	Chapters	Teacher	Practical
2 <sup>nd</sup> (NEP) (Major)	Major CHEM 201-I	Chemical bonding 1	GN	GN
		Redox	KM	
		Stereochemistry 1	SB	
		Reaction mechanism(Organic)	SM	
		Substitution and elimination	SM	
		Kinetic theory of gases	DM	
		Liquid	BH	
	Thermodynamics 2	KM		
	SEC CHEM 205-I	Analysis of food products	SB	-
		Rest	KM	-
	Multidisciplinary CHEM 203-I	Dyes		-
Pigments			-	
Cosmetics and perfumes			-	
4 <sup>th</sup> (CBCS)	CC 8 (Physical)	Colligative properties	BH	KM
		Phase rule and rest	DM	
		Ionic equilibrium	SB	
		Electromotive force	GN	
		Quantum chemistry	KM	
	CC 9 (Inorganic)	Metallurgy	GN	DM
		S and p block	DM	
		Noble gases	BH	
		Inorganic polymers	DM	
		Coordination chemistry 1	KM	
	CC 10 (Organic)	Organic spectroscopy	SB	SM
		Rest	SM	
	SEC 2	Pharmaceutical	SM	
6 <sup>th</sup> (CBCS)	CC 13	Bio-inorganic	BH	KM
		Organometallics	KM	
		Catalysis	SM	
		Reaction mechanism (Inorg.)	GN	
	CC 14	Molecular spectroscopy	DM+SB	DM
		Photochemistry	DM	
		Surface tension	BH	
		Adsorption	GN	
		Colloids	SM	
	DSE 3	Introduction and history, Functionality	SM	KM
		Properties of Polymer	BH	
		Rest	KM	
	DSE 4	Presentation	All	-

## Syllabus distribution for Semester- II/IV/VI

### General Courses

Semester	Paper	Chapters	Teacher	Practical
2 <sup>nd</sup> (NEP) (Minor)	Minor CHEM 202-I	Thermodynamics 2	KM	GN
		Kinetic Theory of gas	DM	
		Chemical Kinetics 2	BH	
		Fundamentals of organic chemistry	SM	
		Stereochemistry	SB	
		Substitution and elimination	SM	
		Chemical bonding 1	GN	
4 <sup>th</sup> (CBCS)	CC 1D/GE 4	Solutions	DM	BH
		Phase rule	DM	
		Conductance	SB	
		Electromotive force	GN	
		Chemical analysis	KM	
		Environmental chemistry	BH	
	SEC 2	Pharmaceutical chemistry	SM	
6 <sup>th</sup> (CBCS)	DSE 1B	Organic chemistry	SB	SB
		Polymers	BH	
		Paints, varnish, dyes, drugs	DM	
		Fat and oils, soaps	SM	
		Pesticides, food additives	GN	
	SEC 4	Polymer chemistry	KM + BH	