# Study Plan (Academic Calendar) CBCS system from July, 2022 to Dec, 2022) SEMESTER-1(HONOURS)

	July '22 to Septem	ber '22		October'22 to December' 22				
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty	
Code/		Lect		Code/		of		
Paper				Paper		Lect		
	Extra nuclear Structure of atom	14	SS		Redox Reactions	14	AP	
CC-1	Acid-Base reactions	12	AP	CC-1	General Treatment of Reaction Mechanism I	16	GM	
	Bonding and Physical Properties	18	GM		INORGANIC CHEMISTRY PRACTICAL	15	SS	
	INORGANIC CHEMISTRY PRACTICAL	15	SS		ORGANIC CHEMISTRY PRACTICAL	24	GM	
	ORGANIC CHEMISTRY PRACTICAL	30	GM					

	July '22 to Septem	ber '22			October'22 to Decen	nber' 22	
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty
Code/		Lect		Code/		of	
Paper				Paper		Lect	
	Stereochemistry –	8	GM		Stereochemistry	9	GM
	I				-I		
	General	3	GM		Transport	02	AD
CC-2	Treatment of			CC-2	processes		
CC-2	Reaction			CC-2			
	Mechanism II						
	Kinetic Theory	20	AD	1		15	AD
	and Gaseous state						
	ORGANIC	15	GM	1	ORGANIC	7	GM
	CHEMISTRY				CHEMISTRY		
	PRACTICAL				PRACTICAL		
	PHYSICAL	8	AD		PHYSICAL	12	AD
	CHEMISTRY				CHEMISTRY		
	PRACTICAL				PRACTICAL		

#### SEMESTER-1(GENERAL)

	July '22 to September '22				October'22 to December' 22			
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty	
Code/		Lect		Code/		of		
Paper				Paper		Lect		
	Kinetic Theory of	8	AD		Chemical	8	SS	
	Gases and Real				Periodicity			
	gases							
	Liquids	4	AD		Acids and bases	6	AP	

GE-1	<b>Atomic Structure</b>	8	AP	GE-1	Chemical Kinetics	8	AD
	Fundamentals of Organic Chemistry	8	GM		Nucleophilic Substitution and Elimination Reactions	6	GM
	Stereochemistry	6	GM		Stereochemistry	8	GM
	Practical	12	SS		Practical	12	SS
	Practical	12	AP		Practical	12	AP

### SEMESTER-3(HONOURS)

	July '22 to Septem	ber <b>'22</b>		October'22 to December' 22					
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty		
Code/	_	Lect		Code/	_	of			
Paper				Paper		Lect			
	Chemical	10	AD		Applications of	06	AD		
	Thermodynamics-				Thermodynamics				
	I				- I				
CC-5	Chemical	20	AD	CC-5	Electrochemistry	24	AD		
CC-3	Thermodynamics			CC-3					
	II								
	PHYSICAL	24	AD		PHYSICAL	21	AD		
	CHEMISTRY				CHEMISTRY				
	PRACTICAL				PRACTICAL				

	July '22 to Septem	Lect 15 AF			October'22 to December' 22				
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty		
Code/		Lect		Code/		of			
Paper				Paper		Lect			
	Chemical	15	AP		Coordination	15	AP		
	periodicity				Chemistry-I				
	Chemistry of s	15	SS		Chemistry of s	15	SS		
CC-6	and p Block			CC-6	and p Block				
CC-0	Elements			CC-0	Elements				
	INORGANIC	27	AP		INORGANIC	18	SS		
	CHEMISTRY				CHEMISTRY				
	PRACTICAL				PRACTICAL				

July '22 to Septer		October'22 to December' 22					
Topic	No. of	Faculty	Course	Topic	No.	Faculty	
_	Lect		Code/	_	of		
			Paper		Lect		
Chemistry of	20	GM		Carbonyl and	30	GM	
alkenes and				Related			
alkynes				Compounds			
Aromatic	20	GM	CC-7	Organometallics	10	GM	
Substitution			CC-7				
ORGANIC	45	GM		ORGANIC	30	GM	
CHEMISTRY				CHEMISTRY			
PRACTICAL				PRACTICAL			
July '22 to Septer	nber '22		October'22 to December' 22				
Topic	No. of	Faculty	Course	Topic	No.	Faculty	
_	Lect		Code/	_	of		
			Paper		Lect		
Clinical	12	GM		Clinical	12	GM	
Biochemistry			SEC	Biochemistry			
	Chemistry of alkenes and alkynes Aromatic Substitution ORGANIC CHEMISTRY PRACTICAL July '22 to Septem Topic Clinical	Chemistry of alkenes and alkynes  Aromatic 20 Substitution ORGANIC 45 CHEMISTRY PRACTICAL  July '22 to September '22 Topic No. of Lect  Clinical 12	Topic No. of Lect Faculty Lect GM  Chemistry of alkenes and alkynes  Aromatic 20 GM  Substitution GRGANIC CHEMISTRY PRACTICAL  July '22 to September '22  Topic No. of Lect Faculty Lect GM	Topic No. of Lect Code/Paper  Chemistry of alkenes and alkynes  Aromatic Substitution ORGANIC CHEMISTRY PRACTICAL  July '22 to September '22  Topic No. of Lect Code/Paper  Clinical Biochemistry  No. of Lect Code/Paper	Topic No. of Lect Code/Paper  Chemistry of alkenes and alkynes  Aromatic Substitution  ORGANIC CHEMISTRY PRACTICAL  July '22 to September '22  Topic No. of Lect Code/Paper  Topic No. of Lect Code/Paper  Clinical Biochemistry  Topic Code/Paper  Clinical Biochemistry  Topic Code/Paper  Topic Code/Paper  Clinical Biochemistry	Topic No. of Lect Code/ Paper Topic No. of Lect Code/ Paper Code/ Paper Code/ Paper Code/ Paper Code/ Paper Compounds 30 Related Compounds CC-7 CC-7 CC-7 CC-7 CC-7 CC-7 CC-7 CC-	

### SEMESTER-3(GENERAL)

	July '22 to Septem	ber <b>'22</b>			October'22 to Decer	nber' 2	2
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty
Code/	_	Lect.		Code/	_	of	
Paper				Paper		Lect.	
	<b>Chemical Bonding</b>	8	SS		Transition	6	SS
	and Molecular				Elements (3d		
	Structure				series)		
	Comparative	8	AP		Coordination	8	AP
GE-3	study of p-block			GE-3	Chemistry		
	elements:				•		
	Ionic Equilibria	6	AD		Electrochemistry	10	AD
	Conductance	6	AD		Aryl Halides	6	GM
	Aromatic	6	GM		Organometallic	6	GM
	Hydrocarbons				Compounds		
	Practical	24	SS		Practical	21	SS

### SEMESTER-5(HONOURS)

	July '22 to September '22				October'22 to December' 22			
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty	
Code/		Lect		Code/		of		
Paper				Paper		Lect		
	Quantum	15	AD		Quantum	15	AD	
	Chemistry-II				Chemistry-II			
	Statistical	20	AD		Numerical Analysis	10	AD	

	Thermodynamics						
CC-11	PHYSICAL	24	AD	CC-11	PHYSICAL	21	AD
	CHEMISTRY				CHEMISTRY		
	PRACTICAL				PRACTICAL		

	July '22 to September '22				October'22 to December' 22				
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty		
Code/		Lect		Code/		of			
Paper				Paper		Lect			
	Carbocycles and	16	GM		Pericyclic	08	GM		
	Heterocycles				Reactions				
	Cyclic	10	GM		Carbohydrates	14	GM		
	Stereochemistry				Biomolecules	12	GM		
CC-12	ORGANIC	45	GM	CC-12	ORGANIC	30	GM		
	CHEMISTRY				CHEMISTRY				
	PRACTICAL				PRACTICAL				

	July '22 to Septem	ber <b>'22</b>		October'22 to December' 22				
Course	Topic	No. of	Faculty	Course	Topic	No. of	Faculty	
Code/		Lect		Code/		Lect		
Paper				Paper				
DSE-A	Applications of Computers in	30	AD	DSE-A	Applications of Computers	30	A.D.	
DSE-A	Chemistry		AD	DSE-A	in Chemistry		AD	
	Inorganic Materials of Industrial	30			Inorganic Materials of	30		
DSE-B	Importance		SS	DSE-B	Industrial Importance		SS	
		24				21		
DSE-A	Practical		AD	DSE-A	Practical		AD	
		24				21		
DSE-B	Practical		SS	DSE-B	Practical		SS	

# Study Plan (Academic Calendar) CBCS system from January, 2023 to June, 2023) SEMESTER-2 (HONOURS)

Jan '23 to Mar '23				Apr'23 to Jun' 23			
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty
Code/		Lect		Code/		of	
Paper				Paper		Lect	
_	Stereochemistry –	20	GM		Substitution and	20	GM

	II				Elimination		
					Reaction		
	<b>General Treatment</b>	10	GM		<b>General Treatment</b>	10	GM
CC-3	of Reaction			CC-3	of Reaction		
	Mechanism-III				Mechanism III		
	ORGANIC	27	GM		ORGANIC	18	GM
	CHEMISTRY				CHEMISTRY		
	PRACTICAL				PRACTICAL		

	Jan '23 to Mar	Apr'23 to Jun' 23					
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty
Code/	_	Lect		Code/		of	
Paper				Paper		Lect	
	Chemical	20	SS		Chemical	15	AP
	Bonding-I				Bonding-II		
	Chemical	15	AP	]	Radioactivity	10	SS
CC-4	Bonding-II			CC-4			
CC-4	INORGANIC	27	AP	1 CC-4	INORGANIC	18	AP
	CHEMISTRY				CHEMISTRY		
	PRACTICAL				PRACTICAL		

#### SEMESTER-2(GENERAL)

	Jan '22 to Mar	<b>'23</b>		Apr'23 to Jun' 23				
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty	
Code/	_	Lect		Code/	_	of		
Paper				Paper		Lect		
	Chemical	15	AD		Chemical	8	AP	
	Thermodynamics				Periodicity			
	Solutions	10	AD		Phase Equilibria	5	AD	
	Solids	8	AD		Aliphatic	8	GM	
GE-2				GE-1	Hydrocarbon			
	Error Analysis	5	AD		Error Analysis	5	AD	
	and Computer				and Computer			
	Applications				Applications			
	Practical		AD		Practical	12	A3	

### SEMESTER-4 (HONOURS)

	Jan '23 to Mar '23				Apr'23 to Jun' 23			
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty	
Code/		Lect		Code/		of		
Paper				Paper		Lect		
	Nitrogen	12	GM		The Logic of	14	GM	
	Compounds				Organic synthesis			
	Rearrangements	14	GM	1	Organic Spectroscopy	20	GM	

CC-8	ORGANIC	27	GM	CC-8	ORGANIC	18	GM
	CHEMISTRY				CHEMISTRY		
	PRACTICAL				PRACTICAL		
	Jan '23 to Mar	<b>'23</b>			Apr'23 to Jun'	23	
Course	Topic	No. of	Course	Topic	No.	Faculty	
Code/	_	Lect		Code/		of	
Paper				Paper		Lect	
	Application of	20	AD		Foundation of	10	AD
	Thermodynamics-				Quantum		
	II				Mechanics		
CC-9	Foundation of	15	AD	CC-9	Crystal structure	15	AD
CC-7	Quantum			(CC-)			
	Mechanics						
	PHYSICAL	27	AD		PHYSICAL	18	AD
	CHEMISTRY				CHEMISTRY		
	PRACTICAL				PRACTICAL		

	Jan '23 to Mar '23				Apr'23 to Jun' 23				
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty		
Code/		Lect		Code/		of			
Paper				Paper		Lect			
	Coordination	30	AP		Coordination	15	AP		
	Chemistry-II				Chemistry-II				
	Chemistry of d-	15	SS		Reaction	10	SS		
CC-10	and f- block			CC-10	Kinetics and				
CC-10	elements			CC-10	Mechanism				
	INORGANIC	27	SS	1	INORGANIC	18	SS		
	CHEMISTRY				CHEMISTRY				
	PRACTICAL				PRACTICAL				

	Jan <b>'23 to Mar '23</b>				Apr'23 to Jun' 23			
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty	
Code/		Lect		Code/		of		
Paper				Paper		Lect		
SEC	Pharmaceutical Chemistry	12	GM	SEC	Pharmaceutical Chemistry	12	GM	

### SEMESTER-4(GENERAL)

	Jan '23 to Mar '23				Apr'23 to Jun' 23			
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty	
Code/		Lect		Code/	_	of		
Paper				Paper		Lect		
	Alcohol, Phenol	08	SS		Amino acids and	8	GM	
	and Ethers				Carbohydrates			
	Carbonyl	10	GM		Crystal Field	8	SS	
	Compounds				Theory			
GE-4	Quantum	12	AD	GE-1	Carboxylic Acids	08	GM	

Chemistry and Spectroscory Amines and Diazonium salts	5	GM	and Their Derivatives			
Practical	27	GM	Practical	18	GM	

### SEMESTER-6 (HONOURS)

	Jan '23 to Ma	Apr'23 to Jun' 23					
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty
Code/		Lect		Code/		of	
Paper				Paper		Lect	
	Theoretical	10	SS		Bioinorganic	05	AP
	Principal in				Chemistry		
	Qualitative				•		
CC-13	Analysis			CC-13			
CC-13	Bioinorganic	20	AP	CC-13	Organometallic	25	SS
	Chemistry				Chemistry		
	INORGANIC	27	AP		INORGANIC	18	SS
	CHEMISTRY				CHEMISTRY		
	PRACTICAL				PRACTICAL		

	Jan '23 to Mar	<b>'23</b>		Apr'23 to Jun' 23				
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty	
Code/		Lect		Code/		of		
Paper				Paper		Lect		
	Molecular	25	AD		Surface	15	AD	
	Spectroscopy				Phenomenon			
	Photochemistry	15	AD		Dipole Moment	05	AD	
CC-14	and theory of			CC-14	and			
CC-14	reaction rate			CC-14	Polarizability			
	PHYSICAL	27	AD		PHYSICAL	18	AD	
	CHEMISTRY				CHEMISTRY			
	PRACTICAL				PRACTICAL			
	Jan '23 to Mar	· <b>23</b>			Apr'23 to Jun'	23		
Course	Topic	No. of	Faculty	Course	Topic	No.	Faculty	
Code/	-	Lect	_	Code/		of		
Paper				Paper		Lect		
		30	SS			30	SS	
	Inorganic Materials				Inorganic			
DSE-A	of Industrial			DSE-A	Materials of			
	Importance				Industrial			
					Importance			

DSE-A	Practical	27	SS	DSE-A	Practical	18	SS
DSE-B	Dissertation	60	AP	DSE-B	Dissertation	45	AP