

BRAHMANANDA KESHAB CHANDRA COLLEGE**DEPARTMENT OF CHEMISTRY****LESSON PLAN [JULY(September) -DECEMBER , 2021]- SEMESTER I (Honours)**

COURSE	PAPER CODE	TOPICS TO BE COVERED	NAME OF THE TEACHER	NO OF CLASSES / LECTURES	MARKS	CLASS TEST/ INTERNAL ASSESSMENT
CC1	CEMACOR01T: ORGANIC CHEMISTRY-I	Basics of Organic Chemistry Bonding and Physical Properties	ANSHUPRIYA SHOME	25	20	
		General Treatment of Reaction Mechanism I	ANSHUPRIYA SHOME	10	10	
		Stereochemistry I	K. K. NANDI	25	20	
	CEMACOR01P: ORGANIC CHEMISTRY-I LAB		ANSHUPRIYA SHOME + K. K. NANDI	60	25	

COURSE	PAPER CODE	TOPICS TO BE COVERED	NAME OF THE TEACHER	NO OF CLASSES / LECTURES	MARKS	CLASS TEST/ INTERNAL ASSESSMENT
CC2	CEMACOR02T: PHYSICAL CHEMISTRY-I	Kinetic Theory and Gaseous state	SWARUP MANNA	20	16	
		Chemical Thermodynamics	MANASI BASU	25	20	
		Chemical kinetics	DIPANKAR MONDAL	15	14	
	CEMACOR02P: PHYSICAL CHEMISTRY-I LAB		MANASI BASU & SWARUP MANNA & DIPANKAR MONDAL	60	25	

BRAHMANANDA KESHAB CHANDRA COLLEGE

DEPARTMENT OF CHEMISTRY

LESSON PLAN [JULY(September) -DECEMBER , 2021]- SEMESTER III (Honours)

COURSE	PAPER CODE	TOPICS TO BE COVERED	NAME OF THE TEACHER	NO OF CLASSES / LECTURES	MARKS	CLASS TEST/ INTERNAL ASSESSMENT
CC5	CEMACOR05T: PHYSICAL CHEMISTRY-II	Transport processes i) Fick's law ii) Viscosity iii) Conductance and transport number	DIPANKAR MONDAL	15	14	
		Application of Thermodynamics – I i) Partial properties and Chemical potential: ii) Chemical Equilibrium: iii) Chemical potential and other properties of ideal substances- pure and mixtures:	SWARUP MANNA	25	20	
		Foundation of Quantum Mechanics i) Beginning of Quantum Mechanics ii) Wave function iii) Concept of Operators iv) Particle in a box v) Simple Harmonic Oscillator	MANASI BASU	20	16	
	CEMACOR05P: PHYSICAL CHEMISTRY-II LAB		MANASI BASU & SWARUP MANNA & DIPANKAR MONDAL	60	25	

COURSE	PAPER CODE	TOPICS TO BE COVERED	NAME OF THE TEACHER	NO OF CLASSES / LECTURES	MARKS	CLASS TEST/ INTERNAL ASSESSMENT
CC6	CEMACOR06T : INORGANIC CHEMISTRY-II	Chemical Bonding-I	PUTUL CHAKROBORTY	24	20	
		Chemical Bonding-II	AMIT MONDAL (18) + PUTUL CHAKROBORTY (6)	24	20	
		Radioactivity	AMIT MONDAL	12	10	
	CEMACOR06P : INORGANIC CHEMISTRY-II LAB		AMIT MONDAL	60	25	

COURSE	PAPER CODE	TOPICS TO BE COVERED	NAME OF THE TEACHER	NO OF CLASSES / LECTURES	MARKS	CLASS TEST/ INTERNAL ASSESSMENT
CC7	CEMACOR07T : ORGANIC CHEMISTRY-III	Chemistry of alkenes and alkynes	K. K. NANDI	15	12	
		Aromatic Substitution	K. K. NANDI	10	08	
		Carbonyl and Related Compounds	ANSHUPRIYA SHOME	30	22	
		Organometallics	K. K. NANDI	05	08	
	CEMACOR07P : ORGANIC CHEMISTRY-III LAB		K. K. NANDI + ANSHUPRIYA SHOME	60	25	

BRAHMANANDA KESHAB CHANDRA COLLEGE**DEPARTMENT OF CHEMISTRY****LESSON PLAN [JULY(September) -DECEMBER , 2021]- SEMESTER V (Honours)**

COURSE	PAPER CODE	TOPICS TO BE COVERED	NAME OF THE TEACHER	NO OF CLASSES / LECTURES	MARKS	CLASS TEST/ INTERNAL ASSESSMENT
CC11	CEMACOR11T : INORGANIC CHEMISTRY-IV	Coordination Chemistry-II	PUTUL CHAKROBORTY	36	30	
		Chemistry of d- and f- block elements	AMIT MONDAL	24	20	
	CEMACOR11P : INORGANIC CHEMISTRY-IV LAB		PUTUL CHAKROBORTY	60	25	

COURSE	PAPER CODE	TOPICS TO BE COVERED	NAME OF THE TEACHER	NO OF CLASSES / LECTURES	MARKS	CLASS TEST/ INTERNAL ASSESSMENT
CC12	CEMACOR12T : ORGANIC CHEMISTRY-V	Carbocycles and Heterocycles	ANSHUPRIYA SHOME	16	12	
		Cyclic Stereochemistry	K. K. NANDI	10	08	
		Pericyclic reactions	K. K. NANDI	08	08	
		Carbohydrates	K. K. NANDI	14	10	
		Biomolecules	ANSHUPRIYA SHOME	12	12	
	CEMACOR12P : ORGANIC CHEMISTRY-V LAB		K. K. NANDI + ANSHUPRIYA SHOME	60	25	

COURSE	PAPER CODE	TOPICS TO BE COVERED	NAME OF THE TEACHER	NO OF CLASSES / LECTURES	MARKS	CLASS TEST/ INTERNAL ASSESSEMENT
DSE 1	CEMADSE01T : ADVANCED PHYSICAL CHEMISTRY	Crystal Structure	MANASI BASU	20	18	
		Statistical Thermodynamics	DIPANKAR MONDAL	20	16	
		Special selected topics i) Polymers ii) Specific heat of solid & 3rd law	SWARUP MANNA & MANASI BASU	20	16	
	CEMADSE01P : ADVANCED PHYSICAL CHEMISTRY LAB	ADVANCED PHYSICAL CHEMISTRY LAB (Programming)	MANASI BASU & SWARUP MANNA & DIPANKAR MONDAL	60	25	

COURSE	PAPER CODE	TOPICS TO BE COVERED	NAME OF THE TEACHER	NO OF CLASSES / LECTURES	MARKS	CLASS TEST/ INTERNAL ASSESSMENT
DSE 2	CEMADSE02T : ANALYTICAL METHODS IN CHEMISTRY	Qualitative and quantitative aspects of analysis	PUTUL CHAKROBORTY	05	06	
		Optical methods of analysis	SWARUP MANNA /AMIT MONDAL	25	16	
		Thermal methods of analysis	PUTUL CHAKROBORTY/ SWARUP MANNA	05	06	
		Electroanalytical methods	MANASI BASU	10	08	
		Separation techniques	AMIT MONDAL + ANSHUPRIYA SHOME	15	14	
	CEMADSE02P : ANALYTICAL METHODS IN CHEMISTRY LAB		MANASI BASU + SWARUP MANNA + AMIT MONDAL + ANSHUPRIYA SHOME	60	25	