

SHAHID MATANGINI HAZRA GOVT. GENERAL DEGREE COLLEGE FOR WOMEN**Teaching Assignment and Lesson Plan****Academic Session: 2024-25 (Semesters I & V)****Department: Chemistry****1st Semester (Hons.) (Single Major)**

Name of the Teacher	Title of the Teaching Assignment	Dividing the Assignment into Number of Units along with detailed lesson plan as per the University Syllabus	Date of Commencement of the Assignment	Number of classes required to complete each unit	Number of classes taken
Mitali Dewan	(MJ1T) Organic Chemistry-I	Bonding and Physical properties	1 st Sept,2024	20	18
Rathin Jana		General Treatment of Reaction Mechanism		05	05
Sayanwita Panja		Stereochemistry		20	16
Mitali Dewan, Sayanwita Panja, Rathin Jana	MJ1P	1. Separation of components of a binary solid mixture; purification of any one of the Separated components by crystallization and determination of its melting point. 2. Determination of boiling point of common organic liquid compounds 3. Identification of a Pure Organic Compound	1 st Sept,2024	30	
Basudev Mandal	SEC1P	Part-A: i) Preparation of talcum powder. ii) Preparation of shampoo. iii) Preparation of enamels. iv) Preparation of hair remover. v) Preparation of face cream. vi) Preparation of nail polish and nail polish remover. vii) Preparation of Lipstick.	1 st Sept,2024	30	
		Part-B: Field visit and submission of the Report		10	

1st SEM (Minor)

Name of the Teacher	Title of the Teaching Assignment		Dividing the Assignment into Number of Units along with detailed lesson plan as per the University Syllabus	Date of Commencement of the Assignment	Number of classes required to complete each unit	Number of classes taken
Sachinath Bera	MI-1T	Section A: Inorganic Chemistry-I	Atomic Structure	1 st Sept,2024	08	20
Basudev Mandal			Acids and Bases		06	
			Redox Reactions		06	
Basudev Mandal		Section B: Physical-I Chemistry	Kinetic Theory of Gases and Real gases		10	25
Sachinath Bera			Liquids		08	
			Solids		07	
Sachinath Bera	MI-1P	Section A: Inorganic Chemistry-LAB	Volumetric analysis (I) Acid-base titration (II) Oxidation-reduction titration	1 st Sept,2024	15	15
		Section B: Physical Chemistry-LAB	(I) Surface tension measurement (II) Viscosity measurement		15	15

1st Semester (Multidisciplinary)

Name of the Teacher	Title of the Teaching Assignment		Dividing the Assignment into Number of Units along with detailed lesson plan as per the University Syllabus	Date of Commencement of the Assignment	Number of classes required to complete each unit	Number of classes required to complete the assignment
Sachinath Bera	MJA1/B1T (CEMP MJ101)	Section A: Inorganic Chemistry-1	Atomic Structure	1 st Sept,2024	10	20
Basudev Mandal			Redox Reactions and precipitation reactions		10	
Mitali Dewan		Section B: Organic Chemistry-1	Fundamentals of Organic Chemistry		05	25
Sayanwita Panja			Stereochemistry		10	
Rathin Jana			Aliphatic Hydrocarbons: Alkanes, alkenes, alkynes		10	
Basudev Mandal	MJA1/B1P	Section A: Inorganic Chemistry	Volumetric analysis (I) Acid-base titration (II) Oxidation-reduction titration	1 st Sept,2024	15	15
Mitali Dewan		Section B: Organic Chemistry	1. Detection of extra elements (N, S, Cl, Br, I) in organic compounds 2. Separation of mixtures by Chromatography		15	15
Sachinath Bera	MI-1/C1 T	Section A: Inorganic Chemistry-I	Atomic Structure	1 st Sept,2024	08	20
Basudev Mandal			Acids and Bases		06	
Basudev Mandal			Redox Reactions		06	
Sachinath Bera		Section B: Physical-I Chemistry	Kinetic Theory of Gases and Real gases		10	25
Basudev Mandal			Liquids		08	
Sachinath Bera	Solids	07				
Basudev Mandal	MI-1/C1P	Section A: Inorganic Chemistry-LAB	Volumetric analysis (I) Acid-base titration (II) Oxidation-reduction titration	1 st Sept,2024	15	15
Sachinath Bera		Section B: Physical Chemistry-LAB	(I) Surface tension measurement (II) Viscosity measurement		15	15

5th Semester (Hons)

Name of the Teacher	Title of the Teaching Assignment	Dividing the Assignment into Number of Units along with detailed lesson plan as per the University Syllabus	Date of Commencement of the Assignment	Number of classes required to complete each unit	Total no of class required to complete the assignment
Basudev Mandal	(C11T)	Coordination chemistry-II	18 th Nov, 2024	24	24
Sachinath Bera	Inorganic chemistry	Chemistry of d- and f- block elements		30	30
Sachinath Bera, Basudev Mandal	C11P	(I) Chromatography of metal ions (II) Gravimetry (II) Spectrophotometry	18 th Nov, 2024	30	30
Rathin Jana	(C12T)	Carbocycles and Heterocycles	18 th Nov, 2024	08	45
Mitali Dewan	Organic Chemistry	Cyclic Stereochemistry		14	
		Pericyclic reactions		10	
Sayanwita Panja		Carbohydrates		08	
		Biomolecules		05	
Sayanwita Panja, Rathin Jana, Mitali Dewan	C12P	A. Chromatographic Separations B. Spectroscopic Analysis of Organic Compounds	18 th Nov, 2024	30	30
Sayanwita Panja	DSE -1: Advanced Physical Chemistry	Crystal Structure	18 th Nov, 2024	18	45
Sachinath Bera		Statistical Thermodynamics		12	
Mitali Dewan		Special selected topics		15	
Mitali Dewan, Rathin Jana	DSE1P	Computer programs based on numerical methods	18 th Nov, 2024	30	30
Sachinath Bera	DSE-2: Analytical Methods in Chemistry	Qualitative and quantitative aspects of analysis	18 th Nov, 2024	06	50
		Optical method of analysis		10	
		Thermal methods of analysis		02	
Basudev Mandal		Electro-analytical methods		08	
Sayanwita Panja		Separation techniques		25	
Basudev Mandal, Sachinath Bera	DSE2P	I. Separation Techniques II. Solvent Extractions: III. Spectrophotometry	18 th Nov, 2024	30	30

5th Semester (DSE)

Name of the Teacher	Title of the Teaching Assignment		Dividing the Assignment into Number of Units along with detailed lesson plan as per the University Syllabus	Date of Commencement of the Assignment	Number of classes required to complete each unit	Total no of class required to complete the assignment
Mitali Dewan	DSE 1A/2A/3A	Polymer Chemistry	Introduction and history of polymeric materials, Functionality and its importance, Kinetics of Polymerization, Crystallization and crystallinity, Nature and structure of polymers, Determination of molecular weight of polymers, Glass transition temperature (T _g) and determination of T _g , Polymer Solution, Properties of Polymer	18 th Nov, 2024	45	45
Mitali Dewan Rathin Jana	DSE1AP		Polymer synthesis Polymer Characterization Polymer analysis	18 th Nov, 2024	30	30
Sayanwita Panja	Skill Enhancement Course SEC 3T	Chemistry of Cosmetics & Perfumes	Preparation and uses of cosmetics & perfumes.	18 th Nov, 2024	30	30
Sayanwita Panja	SEC 3P		1. Preparation of talcum powder. 2. Preparation of shampoo. 3. Preparation of enamels. 4. Preparation of hair remover. 5. Preparation of face cream. 6. Preparation of nail polish and nail polish remover.	18 th Nov, 2024	20	20