

Name of the Faculty : Mr. Rambir

Discipline : DMLT

Semester : 2nd

Subject : Organic Chemistry

Lesson Plan Duration : One Hour

**Work Load(Lecture/Practical) per week (in hours); Lectures -03, Practicals-02


Week	Theory		Practical	
	Lecture Day	Topic (including assignment/ test)	Practical Day	Topic
1st	1 st	Introduction and Importance of Organic Compound	1 ST	Iodometric Titrations
	2 nd	Comparison of Organic and Inorganic Compound	2 nd	Iodometric Titrations
	3 rd	Revision of Previous topics	3 rd	Iodometric Titrations
2nd	4 th	Properties of carbon and Hydrogen	4 th	Oxidation Reduction Titrations
	5 th	Hydrocarbon	5 th	Oxidation Reduction Titrations
	6 th	Alcohols & Ethers	6 th	Oxidation Reduction Titrations
3rd	7 th	Aldehydes & Ketones	7 th	Acid-base titration
	8 th	Carboxylic Acids	8 th	Acid-base titration
	9 th	Hydrocarbons: Preparation, Properties and uses of Saturated Hydrocarbons	9 th	Acid-base titration
4th	10 th	Hydrocarbons: Preparation, Properties and uses of Unsaturated	10 th	Acid-base titration

		Hydrocarbons		
	11 th	Sources of Hydrocarbon and Preparation, Properties and Uses of Halogen Derivatives of Hydrocarbon	11 th	Estimation of Carbohydrates by Benedict's Method
	12 th	Revision Problems Solved related to Topics	12 th	Estimation of Carbohydrates by Benedict's Method
5th	13 th	Alcohols and Ethers: Introduction, Classification, Preparation, Properties and uses of Methyl Alcohol	13 th	Estimation of Carbohydrates by Benedict's Method
	14 th	Introduction, Classification, Preparation, Properties and uses of Ethyl Alcohol	14 th	Estimation of Proteins by Acetic Acid and Sulphosalicylic Acid Test
	15 th	Introduction, Classification, Preparation, Properties and Uses of Glycerol and Diethyl Ether	15 th	Estimation of Proteins by Acetic Acid and Sulphosalicylic Acid Test
6th	16 th	Aldehydes & Ketones: Introduction, Classification, Preparation, Properties and Uses of Methanal	16 th	Estimation of Proteins by Acetic Acid and Sulphosalicylic Acid Test
	17 th	Aldehydes & Ketones: Introduction, Classification, Preparation, Properties and Uses of Ethanal	17 th	Estimation of Proteins by Acetic Acid and Sulphosalicylic Acid Test
	18 th	Amines: Structure of Amines Groups	18 th	Estimation of Lipids by Direct

		(Primary, Secondary & tertiary)		Method
7th	19 th	Amines: Important Methods, Preparation & Properties	19 th	Estimation of Lipids by Direct Method
	20 th	Revision and Tests	20 th	Estimation of Lipids by Direct Method
	21 st	Carboxylic Acids: Methanoic Acids (Introduction, Classification, Preparation, Properties and Uses)	21 st	Revision Classes
8th	22 nd	Carboxylic Acids: Methanoic Acids (Introduction, Classification, Preparation, Properties and Uses	22 nd	Revision Classes
	23 rd	Carboxylic Acids: Ethanoic Acids (Introduction, Classification, Preparation, Properties and Uses)	23 rd	Revision Classes
	24 th	Carboxylic Acids: Ethanoic Acids (Introduction, Classification, Preparation, Properties and Uses)	24 th	Revision Classes
9th	25 th	Carbohydrates: Definition, composition, Sources,	25 th	Revision Classes
	26 th	Carbohydrates: Importance & classification	26 th	Revision Classes
	27 th	Estimation & revision of	27 th	Revision Classes

		Previous Topics		
10 th	28 th	Carbohydrate: important Monosaccharide, Disaccharides & Polysaccharides	28 th	Revision Classes
	29 th	Carbohydrate: important Monosaccharide, Disaccharides & Polysaccharides	29 th	Revision Classes
	30 th	Revision test	30 th	Revision Classes
11 th	31 th	Lipids: Defination, classification		
	32 nd	Introduction to fatty acids, phospholipids		
	33 rd	Introduction to fatty acids, phospholipids		
12 th	34 th	Introduction to Triglycerides, Cholesterol and Clinical importance of Lipids		
	35 th	Introduction to Triglycerides, Cholesterol and Clinical importance of Lipids		
	36 th	Proteins: Definition and Classification		
13 th	37 th	Composition, Molecular Weight and Hydrolysis, Name of Various Amino Acids		
	38 th	Composition, Molecular Weight and Hydrolysis, Name of Various Amino Acids		
	39 th	Structure and		

		Properties of Proteins, Clinical Importance of Proteins		
14 th	40 th	Structure and Properties of Proteins, Clinical Importance of Proteins		
	41 st	Enzymes: definition and Classification		
	42 nd	Chemical nature of Enzymes		
15 th	43 rd	Properties of Enzymes		
	44 th	Factors Affecting Enzyme Activity		
	45 th	Clinical Importance of Enzymes		


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