

**Name** : Taniya Gautam  
**Discipline** :DMLT  
**Semester** : 2<sup>nd</sup> Sem  
**Subject** : Organic Chemistry  
**Lesson plan duration** : 15 Weeks(From January 18 to April 18)  
**Total Load** :L-3,P-2/week

WEEK	THEORY (Including Test and Assignment)		PRACTICAL	
	LECTURE DAY	TOPIC	PRACTICAL( each day having 2 periods)	TOPIC
1 <sup>ST</sup>	1 <sup>st</sup>	Ch-1,introduction and importance of organic compounds,comparison of organic and inorganic compounds	1	Iodometric titration
	2 <sup>nd</sup>	Properties of carbon and hydrogen		
	3 <sup>rd</sup>	Ch-2,IUPAC nomenclature- Hydrocarbons,Alcohols		
2 <sup>nd</sup>	4 <sup>TH</sup>	IUPAC-Ethers,Aldehydes and ketones	2	Viva voice of pr-1
	5 <sup>TH</sup>	IUPAC-carboxylic acids and revision of ch-1,2		
	6 <sup>th</sup>	Class test of ch-1,2		
3 <sup>rd</sup>	7 <sup>th</sup>	Ch-3,preparation ,properties and uses of saturated hydrocarbons	3	Oxidation reduction titration
	8 <sup>th</sup>	Preparations,properties and uses of unsaturated hydrocarbons		
	9 <sup>th</sup>	Uses of saturated & unsaturated hydrocarbons		
4 <sup>th</sup>	10 <sup>th</sup>	Sources of hydrocarbons	4	Viva voice of pr-2
	11 <sup>th</sup>	Preparation ,properties and uses of halogen derivatives of hydrocarbons		
	12 <sup>th</sup>	Class test of ch-3		

5th	13 <sup>th</sup>	<b>Ch-4,Introduction,classification,preparation and properties ,uses of Methyl alcohol</b>	5	Acid-base titrations
	14 <sup>th</sup>	<b>Introduction,classification,preparation and properties ,uses of Ethyl alcohol</b>		
	15 <sup>th</sup>	<b>Introduction,classification,preparation and properties ,uses of glycerol</b>		
6th	16 <sup>th</sup>	<b>Introduction ,classification,preparation and properties ,uses of Diethyl Ether</b>	6	Viva voice of pr-3
	17 <sup>th</sup>	<b>Class test of ch-4</b>		
	18 <sup>th</sup>	<b>Ch-5,Introduction,classification,properties and uses of Methanal</b>		
7th	19 <sup>th</sup>	<b>Introduction,classification,properties and uses of Ethanal</b>	7	Estimation of carbohydrates by benedicts methods
	20 <sup>th</sup>	<b>Amines-structure of amines groups-primary,secendory,tertiary</b>		
	21 <sup>st</sup>	<b>Important methods,preparation and properties of Amines</b>		
8th	22 <sup>nd</sup>	<b>Class test of ch-5</b>	8	Viva voice of Pr-4
	23 <sup>rd</sup>	<b>Ch-6,Introduction,classification,preparation, properties ,uses of Methanoic acid</b>		
	24 <sup>th</sup>	<b>Introduction,classification,preparation,pr operties ,uses of Ethanoic acid</b>		
9th	25 <sup>th</sup>	<b>Class test of ch-6</b>	9	Estimation of proteins by acitic acid & salphosalic ylic acid
	26 <sup>th</sup>	<b>Ch-7,carbohydrates-definition,composition,classification</b>		
	27 <sup>th</sup>	<b>Estimation of carbohydrates</b>		
10th	28 <sup>th</sup>	<b>Important monosaccharides,disaccharides,polysacch arides</b>	10	Viva voice of pr-5
	29 <sup>th</sup>	<b>Class test of ch-7</b>		
	30 <sup>th</sup>	<b>Ch-8,Lipids-definition,classification</b>		
11th	31 <sup>st</sup>	<b>Introduction to fatty acids,phospholipids,triglycerides</b>	11	Estimation of lipids by direct method
	32 <sup>nd</sup>	<b>Cholesterol and clinical importance of lipids</b>		
	33 <sup>rd</sup>	<b>ch-9,Proteins-classification,composition,molecular</b>		

		<b>weight,hydrolysis</b>		
<b>12th</b>	<b>34<sup>th</sup></b>	<b><i>Name of various amino acids</i></b>	<b>12</b>	<b><i>Viva voice of pr-6</i></b>
	<b>35<sup>th</sup></b>	<b>structure and properties of proteins</b>		
	<b>36<sup>th</sup></b>	<b>Clinical importance of proteins</b>		
<b>13th</b>	<b>37<sup>th</sup></b>	<b>Class test of ch-9</b>	<b>13</b>	<b>Revision of practicals</b>
	<b>38<sup>th</sup></b>	<b>Ch-10,exnymes- definition,classification,chemical nature</b>		
	<b>39<sup>th</sup></b>	<b>Properties of enzymes</b>		
<b>14th</b>	<b>40<sup>th</sup></b>	<b>Factors affecting enzymes activity</b>	<b>14</b>	<b>Revision of practicals</b>
	<b>41<sup>st</sup></b>	<b>Clinical importance of enzymes</b>		
	<b>42<sup>nd</sup></b>	<b>Class test of ch-10</b>		
<b>15th</b>	<b>43<sup>rd</sup></b>	<b>Revision of previous topics</b>	<b>15</b>	<b>Revision of practicals</b>
	<b>44<sup>th</sup></b>	<b>Revision of previous topics</b>		
	<b>45<sup>th</sup></b>	<b>Revision of previous topics</b>		