

LESSON PLAN FOR EVEN SEM
SESSION 2017-18

NAME OF ASSISTANT PROFESSOR : SONIA
CLASS/SECTION : B.SC.(III) SEC-C (1,2) & A(5,6)
: B.SC.(III) PR. Gp.T₃(1,2) & T₆(3)
SUBJECT : CHEMISTRY

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	Arrhenius concept of acid and bases, Bronsted-lowry concept	TLC (Thin layer chromatography)
DAY2 DATE 2-1-18	Lux-flood concept	TLC(Thin layer chromatography)
DAY3 DATE 3-1-18	.....	TLC(Thin layer chromatography)
DAY4 DATE 5-1-18	Arrhenius concept of acid and bases	.....
DAY5 DATE 6-1-18	Bronsted-lowry concept	.....
DAY6 DATE 8-1-18	Solvent system concept	Rast method
DAY7 DATE 9-1-18	Lewis concept ,Relative strength of acids and bases	Rast method
DAY8 DATE 10-1-18	.....	Analysis of inorganic mixture
DAY9 DATE 12-1-18	Lux-flood concept	.....
DAY10 DATE 13-1-18	Lewis concept	.....
DAY11 DATE 15-1-18	Levelling solvents ,Hard and soft acid and bases (HSAB)	Analysis of inorganic mixture
DAY 12 DATE 16-1-18	Applications of HSAB principle	Analysis of inorganic mixture
DAY13 DATE 17-1-18	.....	Analysis of inorganic mixture
DAY14 DATE 19-1-18	Relative strength of acids and bases, Levelling solvents	.....
DAY15 DATE 20-1-18	Solvent system concept,Hard and soft acid and bases (HSAB)	.....

DAY16 DATE 22-1-18	HOLIDAY	
DAY17 DATE 23-1-18	SPORTS DAY	
DAY18 DATE 24-1-18	HOLIDAY	
DAY19 DATE 26-1-18	HOLIDAY	
DAY 20 DATE 27-1-18	Applications of HSAB principle	.....
UNIT/PART II	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 29-1-18	Metal ions present in biological system	Analysis of inorganic mixture
DAY2 DATE 30-1-18	classification on the basis of action (essential, non essential, trace, toxic)	Analysis of inorganic mixture
DAY3 DATE 31-1-18	HOLIDAY	
DAY4 DATE 2-2-18	Metal ions present in biological system	.....
DAY5 DATE 3-2-18	classification on the basis of action (essential, non essential, trace, toxic)	.....
DAY6 DATE 5-2-18	Metalloporphyrins with special reference to haemoglobin and myoglobin.	Analysis of inorganic mixture
DAY7 DATE 6-2-18	Biological role of Ca(II), Mg(II), Fe(II) ions	Analysis of inorganic mixture
DAY8 DATE 7-2-18	.....	Analysis of inorganic mixture
DAY9 DATE 9-2-18	ASSIGNMENT 1	.....
DAY10 DATE 10-2-18	HOLIDAY	
DAY11 DATE 12-2-18	Biological role of Na(I), K(I) ions	Analysis of inorganic mixture
DAY12 DATE 13-2-18	HOLIDAY	
DAY13 DATE 14-2-18	.....	Analysis of inorganic mixture

DAY14 DATE 16-2-18	Metalloporphyrins with special reference to haemoglobin and myoglobin.	.....
DAY15 DATE 17-2-18	Biological role of Ca(II), Mg(II), Fe(II), Na(I), K(I) ions	.....
DAY16 DATE 19-2-18	Cooperative effect	Analysis of inorganic mixture
DAY17 DATE 20-2-18	Bohr effect.	Analysis of inorganic mixture
DAY18 DATE 21-2-18	.....	Analysis of inorganic mixture
DAY19 DATE 23-2-18	Cooperative effect, Bohr effect.	.....
UNIT/PART III	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 24-2-18	Definition, classification and nomenclature of organometallic compounds	.....
DAY2 DATE 26-2-18	Definition, classification and nomenclature of organometallic compounds	Analysis of inorganic mixture
DAY3 DATE 27-2-18	preparation, properties and bonding of alkyls of Li, Al	Analysis of inorganic mixture
DAY4 DATE 28-2-18	HOLIDAY	
DAY5 DATE 2-3-18	HOLIDAY	
DAY6 DATE 3-3-18	HOLIDAY	
DAY7 DATE 5-3-18	preparation, properties and bonding of alkyls of Hg and Sn	Analysis of inorganic mixture
DAY8 DATE 6-3-18	concept of hapticity of organic ligand	Analysis of inorganic mixture
DAY9 DATE 7-3-18	.....	Analysis of inorganic mixture
DAY10 DATE 9-3-18	preparation, properties and bonding of alkyls of Li, Al, Hg and Sn	.....
DAY11 DATE 10-3-18	ASSIGNMENT 2	.....
DAY 12 DATE 12-3-18	Structure and bonding in metal-ethylenic complexes	Analysis of inorganic mixture
DAY13 DATE 13-3-18	Structure of Ferrocene, classification in metal carbonyls	Analysis of inorganic mixture

DAY14 DATE 14-3-18	.....	Analysis of inorganic mixture
DAY15 DATE 16-3-18	concept of hapticity of organic ligand, Structure and bonding in metal-ethylenic complexes	.....
DAY16 DATE 17-3-18	Structure of Ferrocene, classification in metal carbonyls preparation,	.....
DAY17 DATE 19-3-18	preparation, properties in mononuclear carbonyls	Analysis of inorganic mixture
DAY18 DATE 20-3-18	bonding in mononuclear carbonyls.	Analysis of inorganic mixture
DAY19 DATE 21-3-18	.....	Analysis of inorganic mixture
DAY 20 DATE 23-3-18	HOLIDAY	
DAY 21 DATE 24-3-18	properties in mononuclear carbonyls bonding in mononuclear carbonyls.	.....
UNIT/PART IV	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 26-3-18	Nomenclature, classification of silicones	Analysis of inorganic mixture
DAY2 DATE 27-3-18	preparation and uses of silicones	Analysis of inorganic mixture
DAY3 DATE 28-3-18	.....	Analysis of inorganic mixture
DAY4 DATE 30-3-18	Nomenclature, classification, preparation and uses of silicones	.....
DAY5 DATE 31-3-18	Nomenclature, classification, preparation and uses of elastomers	.....
DAY6 DATE 2-4-18	Nomenclature, classification of polysiloxane copolymers	Analysis of inorganic mixture
DAY7 DATE 3-4-18	preparation and uses of polysiloxane copolymers	Analysis of inorganic mixture
DAY8 DATE 4-4-18	.....	Analysis of inorganic mixture
DAY9 DATE 6-4-18	Nomenclature, classification, preparation and uses of polysiloxane copolymers	.....
DAY10 DATE 7-4-18	Nomenclature, classification of poly phosphazenes	.....
DAY11 DATE 9-4-18	Nomenclature, classification of poly phosphazenes	Analysis of inorganic mixture

DAY12 DATE 10-4-18	preparation and uses of poly phosphazenes	Analysis of inorganic mixture
DAY13 DATE 11-4-18	.....	Analysis of inorganic mixture
DAY14 DATE 13-4-18	preparation and uses of poly phosphazenes	.....
DAY15 DATE 14-4-18	HOLIDAY	
DAY16 DATE 16-4-18	Nomenclature, classification of elastomers	Analysis of inorganic mixture
DAY17 DATE 17-4-18	preparation and uses of elastomers	Analysis of inorganic mixture
DAY18 DATE 18-4-18	HOLIDAY	
DAY19 DATE 20-4-18	bonding in triphosphazene.	.....

NAME OF ASSISTANT PROFESSOR : SONIA
CLASS/SECTION : B.SC(II) PR. GP. S1(1) & S9(6)
SUBJECT : CHEMISTRY

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 1-1-18	Gravimetric analysis
DAY2 DATE 6-1-18	...	Gravimetric analysis
DAY3 DATE 8-1-18	...	Gravimetric analysis
DAY4 DATE 13-1-18	Analysis of organic compound
DAY5 DATE 15-1-18	Analysis of organic compound
DAY6 DATE 20-1-18	Analysis of organic compound
DAY7 DATE 22-1-18	HOLIDAY	HOLIDAY
DAY 8 DATE 27-1-18	Analysis of organic compound
DAY9 DATE 29-1-18	Analysis of organic compound

DAY10 DATE 3-2-18	....	Analysis of organic compound
DAY11 DATE 5-2-18	...	Analysis of organic compound
DAY12 DATE 10-2-18	HOLIDAY	HOLIDAY
DAY13 DATE 12-2-18	.....	Analysis of organic compound
DAY14 DATE 17-2-18	.....	Analysis of organic compound
DAY15 DATE 19-2-18	.....	Analysis of organic compound
DAY16 DATE 24-2-18	.....	Analysis of organic compound
DAY17 DATE 26-2-18	.....	Analysis of organic compound
DAY18 DATE 3-3-18	HOLIDAY	
DAY19 DATE 5-3-18	.....	Analysis of organic compound
DAY20 DATE 10-3-18	....	Analysis of organic compound
DAY 21 DATE 12-3-18	.....	Analysis of organic compound
DAY22 DATE 17-3-18	....	Analysis of organic compound
DAY23 DATE 19-3-18	.....	Analysis of organic compound
DAY 24 DATE 24-3-18	.....	Analysis of organic compound
DAY25 DATE 26-3-18	.....	Analysis of organic compound
DAY26 DATE 31-3-18	.....	Analysis of organic compound
DAY27 DATE 2-4-18	....	Analysis of organic compound
DAY28 DATE 7-4-18	....	Analysis of organic compound
DAY29 DATE 9-4-18	.....	Analysis of organic compound

DAY30 DATE 14-4-18	HOLIDAY	
DAY31 DATE 16-4-18	.....	Analysis of organic compound

NAME OF ASSISTANT PROFESSOR : SONIA
CLASS/SECTION : B.SC(I) PR. GP. F₆(3)
SUBJECT : CHEMISTRY

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 3-1-18	Volumetric Analysis: Preparation of reference solutions
DAY2 DATE 10-1-18	Redox titrations Determination of Fe ²⁺ Using KMnO ₄
DAY3 DATE 17-1-18	Determination of Fe ²⁺ ions using K ₂ Cr ₂ O ₇
DAY4 DATE 24-1-18	HOLIDAY	HOLIDAY
DAY5 DATE 31-1-18	HOLIDAY	HOLIDAY
DAY6 DATE 7-2-18	Determination of C ₂ O ₄ ²⁻ using KMnO ₄
DAY7 DATE 14-2-18	Determination of C ₂ O ₄ ²⁻ Using KMnO ₄
DAY8 DATE 21-2-18	Determination of Zn ²⁺ by EDTA
DAY9 DATE 28-2-18	HOLIDAY	HOLIDAY
DAY10 DATE 7-3-18	...	Determination of Zn ²⁺ by EDTA
DAY11 DATE 14-3-18	Determination of Mg ²⁺ by EDTA
DAY12 DATE 21-3-18	Determination of Mg ²⁺ by EDTA
DAY13 DATE 28-3-18	To determine the specific refractivity
DAY14 DATE 4-4-18	To determine the specific refractivity
DAY15 DATE 11-4-18	To determine the specific refractivity

DAY16 DATE 18-4-18	HOLIDAY	HOLIDAY
-----------------------	----------------	----------------

NAME OF ASSISTANT PROFESSOR : SONIA
CLASS/SECTION : M.SC.(F) PR. (4)
SUBJECT : CHEMISTRY

UNIT/PART I	TOPIC	
	THEORY	PRACTICAL
DAY1 DATE 4-1-18	Organic mixture analysis
DAY2 DATE 11-1-18	Organic mixture analysis
DAY3 DATE 18-1-18	Organic mixture analysis
DAY4 DATE 25-1-18	Organic mixture analysis
DAY5 DATE 1-2-18	Organic mixture analysis
DAY6 DATE 8-2-18	Organic mixture analysis
DAY7 DATE 15-2-18	Organic mixture analysis
DAY8 DATE 22-2-18	Organic mixture analysis
DAY9 DATE 1-3-18	HOLIDAY	HOLIDAY
DAY10 DATE 8-3-18	Organic mixture analysis
DAY11 DATE 15-3-18	Organic mixture analysis
DAY12 DATE 22-3-18	Organic mixture analysis
DAY13 DATE 29-3-18	HOLIDAY	HOLIDAY
DAY14 DATE 5-4-18	Organic mixture analysis
DAY15 DATE 12-4-18	Organic mixture analysis
DAY16 DATE 19-4-18	Organic mixture analysis