Lesson Plan

Name of Assistant/Associate Professor: kusum

Class & Section: B. Sc III, N.M., and medical

Chemistry lesson Plan: 17 week (From Jan 2018 to April 2018)

Week 1 Chapter 1 Organometallic Chemistry
Week 1, Day 5, Date - 05/01/2018 1.1 Definition 1.2 Nomenclature and classification of Organo metallic compounds
Week 1, Day 6 , Date - 06/01/2018 1.3 Preparation , properties and bonding of alkyls of lithium
Week 2, Day 5, Date - 12/01/2018 1.4 Preparation , properties and bonding of alkyls of Aluminium
Week 2, Day 6, Date - 13/01/2018 1.5 Preparation, properties and bonding of alkyls of Mercury
Week 3, Day 5, Date - 19/01/2018 1.6 Preparation, properties and bonding of alkyls of Sn 1.7 Nature of bonding in Metal Carbonyls
Week 3, Day 6, Date - 20/01/2018 1.8 A brief account of metal Ethylenic complexes 1.9 Mononuclear Carbonyls
Week 4 Chapter 2 Acid & Bases , HSAB Concept
Week 4, Day 6 , Date - 27/01/2018 2.1 Arrhenius concept of Acid & Bases 2.2 Advantages & Limitations of Arrhenius concept
Week 5, Day 5, Date – 02/02/2018 2.3 Bronsted Lowry concept of Acid and Bases 2.4 Lux – flood concept of Acid and Bases
Week 5, Day 6, Date – 03/02/2018

2.5 Solvent system concept of Acid and Bases 2.6 Lewis system concept of Acid and Bases
Week 6, Day 5, Date – 09/02/2018 2.7 Relative strength of Acid and Bases 2.8 Concept of Hard and soft Acids and Bases
Week 7 Problems from chapter first Week 7, Day 5, Date – 16/02/2018 Problems from chapter 1
Week 7 Problems from chapter 2 and test of chapter 2 Day 6, Date – 17/02/2018 Problems from chapter 2
Week 8, Day 5, Date – 23/02/2018 Test of chapter 2
Week 8 Chapter 3 Bio Inorganic Chemistry
Week 8, Day 6, Date – 24/02/2018 3.1 Essential and Trace elements in biological processes 3.2 Metallopophyrins with special reference to haemoglobin and myoglobin
Week 10, Day 5, Date – 09/03/2018 3.3 Myoglobin and Haemoglobin functions 3.4 Carbon dioxide transport and Bohr effect
Week 10, Day 6, Date – 10/03/2018 3.5 Biological role of alkali & alkalis earth metals Ions with special reference to Ca2+
Week 11, Day 5, Date – 16/03/2018 3.6 Nitrogen Fixation Metalloproteins
Week 11 , Problems of Chapter – 3
Week 11, Day 6, Date – 17/03/2018 Problems of Chapter-3
Week 12, Day 6, Date – 24/03/2018 Assignment I
Week 13, Chapter -4 Silicons & Phosphazenes
Week 13 Day 5, Date – 30/03/2018 4.1 Silicons as an examble of Inorganic polymers
Week 13, Day 6, Date – 31/03/2018 4.2 Silicons fluids & oils , silicons elastoma
Week 14, Day 5, Date – 06/04/2018

4.3 Silicon Resins , Polysiloxane copolymers
Week 15, Day 5, Date – 13/04/2018 4.5 Structure and bonding in Phosphazenes
Week 16, Day 5, Date – 20/04/2018 4.6 Bonding in Triphosphazenes 4.7 Uses of Phosphazenes
Week 16 , Day 6, Date – 21/04/2018 Assignment – II
Week 17, Day 5, Date – 27/04/2018 Problems from Chapter 4
Week 17, Day 6, Date – 28/04/2018 Revision and Practical