Lesson Plan

Name of Assistant/Associate Professor kusum

Class and section: B.Sc I N.M and medical

Chemistry Lesson Plan: 17 Week (From January 2018 to April 2018)

Week 1: Chapter 1 Hydrogen –Bonding &Vander Waal's Forces
Week 1,Day 1, Date:01/01/2018 ○ Hydrogen Bonding –Definition ○ Types of Hydrogen Bonding ○ Effect of Hydrogen Bonding on Properties of Substance
Week 1, Day 2, Date: 02/01/2018 ○ Applications of Hydrogen Bonding ○ Brief discussion of various types of Vander Waal's forces
Week 2,Day 1,Date:08/01/2018 ○ Introduction of metallic bond ○ Qualitative Idea of Valence Bond theory ○ Band theory of metallic bond
Week 2, Day 2, Date: 09/01/2018 ○ Semiconductors-Introduction ○ Types & Applications
Week 3 Chapter 2: S-Block Elements
Week 3,Day 1, Date:15/01/2018 ○ Comparative study of the element including diagonal Relationship ○ Anomalous Behaviour of Li & Bi compared to other Elements in Same Group ○ Salient feature of hydrides, Oxides
Week 3, Day 2, Date:16/01/2018 ○ Salient Feature of Halide And Hydroxide ○ Behaviour of Solution in liquid NH_3
Week 4,Day 2,Date:23/01/2018 ○ Solvation ○ Complexation tendencies including their function in Bio system
Week 5: Chapter 4:Chemistry of Noble Gases
Week 5,Day 1,Date:29/01/2018 ○ Chemical properties of the noble gases ○ Emphasis on their low chemical properties

Week 5,Day 2,Date:30/01/2018 ○ Chemistry of xenon ○ Structure &bonding of fluoride ,oxides & oxyfluorides of xenon
Week 6: Chapter 5: p-Block Elements
Week 6,Day 1,Date:05/02/2018 ○ Electronic Configuration ○ Atomic size & Ionic size ○ Metallic Character ○ Melting Point
Week 6,Day 2,Date:06/02/2018 ○ Ionization Energy ○ Electron Affinity ○ Electronegativity
Week 7,Day 1,Date:12/02/2018 ○ Inert Pair Effect ○ Diagonal Relationship
Week 8,Day 1,Date:19/02/2018 ○ Problems From Chapter 1 and 2
Week 8,Day 2,Date:20/02/2018 ○ Test of Chapter 1 And 2
Week 09,Day 1,Date:26/02/2018 ○ Diborane ○ Properties & Structure of Diborane
Week 09,Day 2,Date:27/02/2018 ○ Borazine & its structure ○ Chemical properties of Borazine
Week 10,Day 1,Date:05/03/2018 ○ Trihalides of Boron ○ Relative Strength of Trihalides of Boron as Lewis Acid
Week 10,Day 2,Date:06/03/2018 ○ Structure of Aluminium (III) Chloride ○ Catenation
Week 11,Day 1,Date:12/03/2018 ○ Carbides ○ Fluoro Carbons
Week 11, Day 2,Date:13/03/2018 ○ Silicates ○ Types and Structure of Silicates

Week 12,Day 1,Date:19/03/2018 ○ Silicones –General methods of preparations ○ Properties & its uses
Week 12,Day 2,Date:20/03/2018 ○ Oxides-structure of oxides of N & P ○ Oxoacids –Structure & relative acid Strength of Oxoacids of N & P
Week 13,Day 1,Date:26/03/2018 ○ Structure of white ,yellow & Red phosphorous
Week 13,Day 2,Date:27/03/2018 ○ Oxoacids of Sulphur ○ Structure & Acid strength
Week 14,Day 1,Date:02/04/2018 ○ H_2O_2 ○ Properties and Uses
Week 14,Day 2,Date:03/04/2018 ○ Basic Properties of Halogens
Week 15,Day 1,Date:09/04/2018 ○ Interhalogen Compound ○ Their Types and Structure
Week 15,Day 2,Date:10/04/2018 ○ Hydra and Oxy Acids of Chlorine ○ Structure and Acidic Strength
Week 16,Day 1,Date:16/04/2018 ○ Cationic Nature of Iodine
Week 16,Day 2,Date:17/04/2018 ○ Problems From S-block and P-block Elements
Week 17,Day 1,Date:23/04/2018 ○ Test
Week 17,Day 2,Date:24/04/2018 ○ Revision

LESSON PLAN