

Lesson Plan

Name of Assistant/Associate Professor: Mr. Ankit

Class and section: B.Sc I (Medical & Non. Medical)

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

Week 1: Chapter 1 KINETICS 1
Week 1, Day 5, Date: 05/01/2018 <ul style="list-style-type: none">○ Rate of reaction, rate equation
Week 1, Day 6, Date: 06/01/2018 <ul style="list-style-type: none">○ Factor effecting the rate of reaction, order of reaction
Week 2, Day 5, Date: 12/01/2018 <ul style="list-style-type: none">○ Integrated rate equation of zero and first order reaction
Week 2, Day 6, Date: 13/01/2018 <ul style="list-style-type: none">○ Integrated rate equation of second and third order reaction
Week 3, Day 5, Date: 19/01/2018 <ul style="list-style-type: none">○ Method of determination of order of reaction
Week 3: Chapter 2 Kinetics
Week 3, Day 6, Date: 20/01/2018 <ul style="list-style-type: none">○ Arrhenius equation and effect of temperature
Week 4, Day 6, Date: 27/01/2018 <ul style="list-style-type: none">○ Simple collision theory of reaction rate
Week 5, Day 5, Date: 02/02/2018 <ul style="list-style-type: none">○ Bimolecular collision theory of reaction rate
Week 5, Day 6, Date: 03/02/2018 <ul style="list-style-type: none">○ Transition state theory of bimolecular reaction
Week 6:
Week 6, Day 5, Date: 09/02/2018 <ul style="list-style-type: none">○ Problem of chapter of 1 and 2
Week 7, Day 5, Date: 16/02/2018

<ul style="list-style-type: none"> ○ Test of chapter 1 & Assignment-I
<p>Week 7: Chapter 3 Electrochemistry 1</p>
<p>Week 7,Day 6,Date:17/02/2018</p>
<ul style="list-style-type: none"> ○ Electrolytic conduction and factor effecting
<p>Week 8,Day 5,Date:23/02/2018</p>
<ul style="list-style-type: none"> ○ Specific conductance, equivalent conductance, molar conductance
<p>Week 8,Day 6,Date:24/02/2018</p>
<ul style="list-style-type: none"> ○ Relation between different conductance & Effect of concentration on various conductance
<p>Week 10</p>
<p>Week 10,Day5,Date:09/03/2018</p>
<ul style="list-style-type: none"> ○ Arrhenius theory of ionization, Ostwald dilution law
<p>Week 10,Day 6,Date:10/03/2018</p>
<ul style="list-style-type: none"> ○ Debye-Hucke-Onsager equation, transpot number
<p>Week 11,Day 5,Date:16/03/2018</p>
<ul style="list-style-type: none"> ○ Definition and determination by Hittoirfs method
<p>Week 11 CHAPTER-4 Electrochemistry 2</p>
<p>Week 12,Day 6,Date:17/03/2018</p>
<ul style="list-style-type: none"> ○ Kohlrausch law and its numerical
<p>Week 12,Day 6,Date:24/03/2018</p>
<ul style="list-style-type: none"> ○ Calculation of molar ionic conductance and effect of viscosity, temperature ○ And pressure on it
<p>Week 13, Day 5,Date:30/03/2018</p>
<ul style="list-style-type: none"> ○ Application of Kohlrausch law in calculation of weak electrochemistry at infinite dilution
<p>Week 13,Day 6,Date:31/03/2018</p>
<ul style="list-style-type: none"> ○ Application of conductivity measurement ○ Determination of degree of dissociation

week 14,day 5,date:06/04/2018

- Determination of pH, K_a and pK_a

Week 14,Day 6,Date:07/04/2018

- Determination of solubility product and numerical based on it
- Assingment-II

Week 15,Day 5,Date:13/04/2018

- Conductometric titration
- Henderson-Hasselbalch equation

Week 16,Day 5,Date:20/04/2018

- Buffer solution and buffer action
- Mechanism of buffer action

Week 16,Day 6,Date:21/04/2018

- Problems from Chapter 3

Week 17,Day 5,Date:27/04/2018

- Revision

Week 17,Day 6,Date:28/04/2018

- Revision