Saraswati Mahila Mahavidyalaya, Palwal

**LessonPlan**

**Name of the Assistant/Associate Professor:Ms. Pinky**

**Class and Section:B.Sc-1(Med. & Non Med.) And B.sc -2(Med. & Non Med.)**

**Name of subject: Physical Chemistry**

**Subject Lesson Plan : 18 weeks(from January 2018 to April 2018)**

**(Note: Prepare as per list of holidays declared by Haryana govt.)**

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| **WEEK 1** |
| **ASSIGNMENT:** |
| **WEEK 1,DAY1 ,DATE :01/01/2018(MONDAY)** |
| **B.sc - 1(N.M Sec. - A) :- Rate of reaction, rate equation.**  **B.sc - 1 (N.M Sec. -A LAB) :- To prepare a sample of pure iodoform.** |
| **WEEK 1 ,DAY 2 ,DATE :02/01/2018(TUESDAY)** |
| **B.sc-1(N.MSec.-A):- Factors influencing the rate of a reaction – concentration, temperature, pressure, solvent, light, catalyst.**  **B.sc-1(N.MSec.-A LAB):-Writing Experiment in practical file.** |
| **WEEK 1,DAY 3 ,DATE :03/01/2018(WEDNESDAY)** |
| **B.sc-2 (N.MSec.-A):- Second law of thermodynamics, need for the law.**  **B.sc-1 (N.MSec.-B & Med.):-Rate of reaction, rate equation.**  **B.sc-1(N.MSec.-BLAB ):- To prepare a sample of pure Iodoform.** |
| **WEEK 1 ,DAY 4 ,DATE :04/01/2018(THURSDAY)** |
| **B.sc-2(N.MSec.-A):- Different statements of the law, Carnot’s cycles and its efficiency.**  **B.sc-1(N.MSec.-B&Med.):-Factors influencing the rate of a reaction – concentration, temperature, pressure, solvent, light, catalyst.**  **B.sc-1(N.MSec.-BLAB ):- Writing ExperimentIn Practical file.** |
| **WEEK 1,DAY 5 ,DATE :05/01/2018(FRIDAY)** |
| **Holiday on account of Guru Govind Singh’s Birthday** |
| **WEEK 1 ,DAY 6 ,DATE :06/01/2018(SATURDAY)** |
| **B.sc-2(N.MSec.-BLAB):-Introduction of Detection of Organic Compound.**  **B.sc-1(N.MSec.-ALAB):- Writing Experiment in practical file.** |
| **WEEK 2** |
| **ASSIGNMENT:** |
| **WEEK 2,DAY1 ,DATE :08/01/2018(MONDAY)** |
| **B.sc-1(N.MSec.-A):- Order of a reaction, integrated rate expression for zero order**  **B.sc-1(N.MSec.-A LAB ):-Prepare a sample of pure m- dinitrobenzene.** |
| **WEEK 2 ,DAY 2 ,DATE :09/01/2018(TUESDAY)** |
| **B.sc-1(N.MSec.-A):-First order, second order.**  **B.sc-1(N.MSec.-A LAB ):- Writing Experiment In practical file.** |
| **WEEK 2,DAY 3 ,DATE :10/01/2018(WEDNESDAY)** |
| **B.sc-2(N.MSec.-A):- Carnot’s theorm, Thermodynamics scale of temperature.**  **B.sc-1(N.MSec.-B&Med.):- Order of a reaction, integrated rate expression for zero order.**  **B.sc-1(N.MSec.-BLAB):-Prepare a sample of Pure M-Dinitrobenzene.** |
| **WEEK 2 ,DAY 4 ,DATE :11/01/2018(THURSDAY)** |
| **B.sc-2(N.MSec.-A):- Concept of entropy– entropy as a state function.**  **B.sc-1(N.MSec.-B&Med.):-First order, second order.**  **B.sc-1(N.MSec.-BLAB):- Writing Experiment in practical file.** |
| **WEEK 2,DAY 5 ,DATE :12/01/2018(FRIDAY)** |
| **B.sc - 2 (N.M Sec. - B):- Carnot’s cycles and its efficiency, Carnot’s theorm.**  **B.sc-1(N.MSec.-BLAB):- To Detect given Organic Compound.** |
| **WEEK 2 ,DAY 6 ,DATE :13/01/2018(SATURDAY)** |
| **B.sc-2(N.MSec.-BLAB):- Writing Experiment in practical file.**  **B.sc-1(N.MSec.-ALAB):-Writing Experiment in practical file.** |
| **WEEK 3** |
| **ASSIGNMENT:** |
| **WEEK 3,DAY1 ,DATE :15/01/2018(MONDAY)** |
| **B.sc-1(N.MSec.-A):- Third order reaction. Half life period of a reaction.**  **B.sc-1(N.MSec.-A LAB):- To prepare a sample of pure P-Bromoacetanilide.** |
| **WEEK 3 ,DAY 2 ,DATE :16/01/2018(TUESDAY)** |
| **B.sc-1(N.MSec.-A):- Methods of determination of order of reaction.**  **B.sc-1(N.MSec.-ALAB):- Writing Experiment in Practical file.** |
| **WEEK 3,DAY 3 ,DATE :17/01/2018(WEDNESDAY)** |
| **B.sc-2(N.MSec.-A):- Entropy as a function of V & T, entropy as a function of P & T.**  **B.sc-1(N.MSec.-B&Med.):-Third order reaction. Half life period of a reaction.**  **B.sc-1(N.MSec.-BLAB):- To prepare a sample of Pure P-Bromoacetanilide.** |
| **WEEK 3 ,DAY 4 ,DATE :18/01/2018(THURSDAY)** |
| **B.sc-2(N.MSec.-A):-Entropy change in physical change, entropy as a criteria of spontaneity and equilibrium.**  **B.sc-1(N.MSec.-B&Med.):- Methods of determination of order of reaction.**  **B.sc-1(N.MSec.-BLAB):- Writing Experiment in practical file.** |
| **WEEK 3,DAY 5 ,DATE :19/01/2018(FRIDAY)** |
| **B.sc-2(N.MSec.-B):-Entropy change in physical change, entropy as a criteria of spontaneity and equilibrium.**  **B.sc-1(N.MSec.-BLAB):-ToDetectgivenOrganicCompound.** |
| **WEEK 3 ,DAY 6 ,DATE :20/01/2018(SATURDAY)**  **B.sc-2(N.MSec.-BLAB):-WritingExperimentinpracticalfile.**  **B.sc-1(N.MSec.-ALAB):- Writing Experiment in practical file.** |
| **WEEK 4** |
| **ASSIGNMENT:** |
| **WEEK 4,DAY1 ,DATE :22/01/2018(MONDAY)** |
| **Holiday on account of BasantPanchmi.** |
| **WEEK 4 ,DAY 2 ,DATE :23/01/2018(TUESDAY)** |
| **B.sc-1(N.MSec.-A):- Weekly Test.**  **B.sc-1(N.MSec.-A LAB):-To prepare a sample of pure Dibenzal acetone.** |
| **WEEK 4,DAY 3 ,DATE :24/01/2018(WEDNESDAY)** |
| **Holiday on account of Sir Chotu Ram Jayanti.** |
| **WEEK 4 ,DAY 4 ,DATE :25/01/2018(THURSDAY)** |
| **B.sc-2(N.MSec.-A):- Entropy change in ideal gases and mixing of gases.**  **B.sc-1(N.MSec.-B&Med.):- Weekly Test.**  **B.sc-1(N.MSec.-BLAB):- To prepare a sample of Pure DibenzalAcetone.** |
| **WEEK 4,DAY 5 ,DATE :26/01/2018(FRIDAY)** |
| **Holiday on account of Republic Day.** |
| **WEEK 4 ,DAY 6 ,DATE :27/01/2018(SATURDAY)** |
| **B.sc-2(N.MSec.-BLAB):-WritingExperimentinpracticalfile.**  **B.sc-1(N.MSec.-ALAB):- Writing Experiment in practical file.** |
| **WEEK 5** |
| **ASSIGNMENT:** |
| **WEEK 5,DAY1 ,DATE :29/01/2018(MONDAY)** |
| **B.sc-1(N.MSec.-A):- Effect of temperature on the rate of reaction – Arrhenius equation.**  **B.sc-1(N.MSec.-A LAB ):-Writing Experimentin practical file.** |
| **WEEK 5 ,DAY 2 ,DATE :30/01/2018(TUESDAY)** |
| **B.sc-1(N.MSec.-A):- Theories of reaction rate – Simple collision theory for unimolecular and bimolecular collision.**  **B.sc-1(N.MSec.-A LAB ):- Prepare a sample of pure Aspirin.** |
| **WEEK 5,DAY 3 ,DATE :31/01/2018(WEDNESDAY)** |
| **Holiday on account of Guru Ravi DassJayanti** |
| **WEEK 5 ,DAY 4 ,DATE :01/02/2018(THURSDAY)** |
| **B.sc-2(N.MSec.-A):- Weekly Test.**  **B.sc-1(N.MSec.-B&Med.):- Effect of temperature on the rate of reaction – Arrhenius equation.**  **B.sc-1(N.MSec.-BLAB):- Writing Experiment in practical file.** |
| **WEEK 5,DAY 5 ,DATE :02/02/2018(FRIDAY)** |
| **B.sc-2(N.MSec.-B):-Statement of concept of residual entropy, evaluation of absolute entropy from heat capacity data.**  **B.sc-1(N.MSec.-BLAB):-ToDetectgivenOrganicCompound.** |
| **WEEK 5 ,DAY 6 ,DATE :03/02/2018(SATURDAY)**  **B.sc-2(N.MSec.-BLAB):-WritingExperimentinpracticalfile.**  **B.sc-1(N.MSec.-ALAB):- Writing Experiment in practical file.** |
| **WEEK 6** |
| **ASSIGNMENT:** |
| **WEEK 6,DAY1 ,DATE :05/02/2018(MONDAY)** |
| **B.sc-1(N.MSec.-A):- Transition state theory of Bimolecular reactions.**  **B.sc-1(N.MSec.-A LAB):-Writing Experiment in practical file.** |
| **WEEK 6 ,DAY 2 ,DATE :06/02/2018(TUESDAY)** |
| **B.sc-1(N.MSec.-A):- Weekly Test.**  **B.sc-1(N.MSec.-A LAB ):-Purify a given sample of Camphor.** |
| **WEEK 6,DAY 3 ,DATE :07/02/2018(WEDNESDAY)** |
| **B.sc-2(N.MSec.-A):- Third law of thermodynamics: Nernst heat theorem.**  **B.sc-1(N.MSec.-B&Med.):- Theories of reaction rate – Simple collision theory for unimolecular and bimolecular collision.**  **B.sc-1(N.MSec.-BLAB):- Prepare a sample of Pure Aspirin.** |
| **WEEK 6 ,DAY 4 ,DATE :08/02/2018(THURSDAY)** |
| **B.sc-2(N.MSec.-A):- Statement of concept of residual entropy, evaluation of absolute entropy from heat capacity data.**  **B.sc-1(N.MSec.-B&Med.):- Transition state theory of Bimolecular reactions.**  **B.sc-1(N.MSec.-BLAB):- Writing Experiment in practical file.** |
| **WEEK 6,DAY 5 ,DATE :09/02/2018(FRIDAY)** |
| **B.sc-2(N.MSec.-B):- Gibbs and Helmholtz functions; Gibbs function (G) and Helmholtz function (A) as thermodynamic quantities.**  **B.sc-1(N.MSec.-BLAB):-ToDetectgivenOrganicCompound.** |
| **WEEK 6 ,DAY 6 ,DATE :10/02/2018(SATURDAY)** |
| **Holiday on account of MaharshiDayanand Saraswati Jayanti.** |
| **WEEK 7** |
| **ASSIGNMENT:** |
| **WEEK 7,DAY1 ,DATE :12/02/2018(MONDAY)** |
| **B.sc-1(N.MSec.-A):- Electrolytic conduction, factors affecting electrolytic conduction.**  **B.sc-1(N.MSec.-A LAB):- Writing Experiment in practical file.** |
| **WEEK 7 ,DAY 2 ,DATE :13/02/2018(TUESDAY)** |
| **Holiday on account of MahaShivaratri.** |
| **WEEK 7,DAY 3 ,DATE :14/02/2018(WEDNESDAY)** |
| **B.sc-2(N.MSec.-A):- Gibbs and Helmholtz functions; Gibbs function (G) and Helmholtz function (A) as thermodynamic quantities.**  **B.sc-1(N.MSec.-B&Med.):- Weekly Test.**  **B.sc-1(N.MSec.-BLAB):- Purify a given sample of Camphor.** |
| **WEEK 7 ,DAY 4 ,DATE :15/02/2018(THURSDAY)** |
| **B.sc-2(N.MSec.-A):- A & G as criteria for thermodynamic equilibrium and spontaneity, their advantage over entropy change. Variation of G and A with P, V and T.**  **B.sc-1(N.MSec.-B&Med.):- Electrolytic conduction, factors affecting electrolytic conduction.**  **B.sc-1(N.MSec.-BLAB):- Writing Experiment in practical file.** |
| **WEEK 7,DAY 5 ,DATE :16/02/2018(FRIDAY)** |
| **B.sc-2(N.MSec.-B):- Variation of G and A with P, V and T.**  **B.sc-1(N.MSec.-BLAB):-ToDetectgivenOrganicCompound.** |
| **WEEK 7 ,DAY 6 ,DATE :17/01/2018(SATURDAY)** |
| **B.sc-2(N.MSec.-BLAB):-WritingExperimentinpracticalfile.**  **B.sc-1(N.MSec.-ALAB):- Writing Experiment in practical file.** |
| **WEEK 8** |
| **ASSIGNMENT:** |
| **WEEK 8,DAY1 ,DATE :19/02/2018(MONDAY)** |
| **B.sc-1(N.MSec.-A):- Specific, conductance, molar conductance,equivalent conductance and relation among them, their vartion with concentration.**  **B.sc-1(N.MSec.-A LAB ):- Purify an impure sample of Phthalic Acid.** |
| **WEEK 8 ,DAY 2 ,DATE :20/02/2018(TUESDAY)** |
| **B.sc-1(N.MSec.-A):- Arrhenius theory of ionization.**  **B.sc-1(N.MSec.-A LAB ):- Writing Experiment in practical file.** |
| **WEEK 8,DAY 3 ,DATE :21/02/2018(WEDNESDAY)** |
| **B.sc-2(N.MSec.-A):- Weekly Test.**  **B.sc-1(N.MSec.-B&Med.):-Specific, conductance, molar conductance,equivalent conductance and relation among them, their vartion with concentration.**  **B.sc-1(N.MSec.-BLAB):-Purity an impure sample of Phthalic Acid.** |
| **WEEK 8 ,DAY 4 ,DATE :22/02/2018(THURSDAY)** |
| **B.sc-2(N.MSec.-A):- Electrolytic and Galvanic cells – reversible & Irreversible cells, conventional representation of electrochemical cells.**  **B.sc-1(N.MSec.-B&Med.):- Arrhenius theory of ionization, Ostwald’s Dilution Law.**  **B.sc-1(N.MSec.-BLAB):- Writing Experiment in practical file.** |
| **WEEK 8,DAY 5 ,DATE :23/02/2018(FRIDAY)** |
| **B.sc-2(N.MSec.-B):- Types of reversible electrodes – metal- metal ion gas electrode, metal –insoluble salt- anion and redox electrodes.**  **B.sc-1(N.MSec.-BLAB):-ToDetectgivenOrganicCompound.** |
| **WEEK 8 ,DAY 6 ,DATE :24/02/2018(SATURDAY)** |
| **B.sc-2(N.MSec.-BLAB):-WritingExperimentinpracticalfile.**  **B.sc-1(N.MSec.-ALAB):- Observation and Calculation.** |
| **WEEK 9** |
| **ASSIGNMENT:** |
| **WEEK 9,DAY1 ,DATE :26/02/2018(MONDAY)** |
| **B.sc-1(N.MSec.-A):- Ostwald’s Dilution Law. DebyeHuckel – Onsager’s equation for strong electrolytes (elementary treatment only).**  **B.sc-1(N.MSec.-A LAB ):- Identify the ions of Pb(2+),Cu(2+)and Cd(2+) by means of Chromatography.** |
| **WEEK 9 ,DAY 2 ,DATE :27/02/2018(TUESDAY)** |
| **B.sc-1(N.MSec.-A):- Transport number, definition and determination by Hittorfs methods, (numerical included).**  **B.sc-1(N.MSec.-A LAB ):-Observation and Calculation.** |
| **WEEK 9,DAY 3 ,DATE :28/02/2018(WEDNESDAY)** |
| **VACATION -II** |
| **WEEK 9 ,DAY 4 ,DATE :01/03/2018(THURSDAY)** |
| **VACATION -II** |
| **WEEK 9,DAY 5 ,DATE :02/03/2018(FRIDAY)** |
| **VACATION -II** |
| **WEEK 9 ,DAY 6 ,DATE :03/03/2018(SATURDAY)** |
| **VACATION -II** |
| **WEEK 10** |
| **ASSIGNMENT:** |
| **WEEK 10,DAY1 ,DATE :05/03/2018(MONDAY)** |
| **B.sc-1(N.MSec.-A):- Weekly Test.**  **B.sc-1(N.MSec.-A LAB):-idenify Chloride ,Bromide and Iodide Ions by ascending paper Chromatography.** |
| **WEEK 10,DAY 2 ,DATE :06/03/2018(TUESDAY)** |
| **B.sc-1(N.MSec.-A):- Kohlarausch’s Law, calculation of molar ionic conductance.**  **B.sc-1(N.MSec.-A LAB):-Observation and Calculation.** |
| **WEEK 10,DAY 3 ,DATE :07/03/2018(WEDNESDAY)** |
| **B.sc-2(N.MSec.-A):- EMF of cell and its measurement, Weston standard cell, activity and activity coefficients.**  **B.sc-1(N.MSec.-B&Med.):- DebyeHuckel – Onsager’s equation for strong electrolytes (elementary treatment only) .**  **B.sc-1(N.MSec.-BLAB):- Identify the Ions of Pb(2+), Cu(2+) and Cd(2+) by means of Paper Chromatography.** |
| **WEEK 10,DAY 4 ,DATE :08/03/2018(THURSDAY)** |
| **B.sc-2(N.MSec.-A):- Calculation of thermodynamic quantities of cell reaction ( & K).**  **B.sc-1(N.MSec.-B&Med.):- Transport number, definition and determination by Hittorfs methods, (numerical included).**  **B.sc-1(N.MSec.-BLAB):- observation and Calculation.** |
| **WEEK 10,DAY 5 ,DATE :09/03/2018(FRIDAY)** |
| **B.sc-2(N.MSec.-B):- Electrode reactions, Nernst equations.**  **B.sc-1(N.MSec.-BLAB):-ToDetectgivenOrganicCompound.** |
| **WEEK 10 ,DAY 6 ,DATE :10/03/2018(SATURDAY)** |
| **B.sc-2(N.MSec.-BLAB):-WritingExperimentinpracticalfile.**  **B.sc-1(N.MSec.-ALAB):-Observation and Calculation.** |
| **WEEK 11** |
| **ASSIGNMENT:** |
| **WEEK 11,DAY1 ,DATE :12/03/2018(MONDAY)** |
| **B.sc-1(N.MSec.-A):-Effect of viscosity temperature & pressure on it. Application of Kohlarausch’s Law in calculation of conductance of weak electrolytes at infinite diloution.**  **B.sc-1(N.MSec.-A LAB ):- Revision of Experiment.** |
| **WEEK 11,DAY 2 ,DATE :13/03/2018(TUESDAY)** |
| **B.sc-1(N.MSec.-A):- Applications of conductivity measurements: determination of degree of dissociation, determination of Ka of acids.**  **B.sc-1(N.MSec.-A LAB ):-Revision of Experiment.** |
| **WEEK 11,DAY 3 ,DATE :14/03/2018(WEDNESDAY)** |
| **B.sc-2(N.MSec.-A):- Types of reversible electrodes – metal- metal ion gas electrode, metal –insoluble salt- anion and redox electrodes.**  **B.sc-1(N.MSec.-B&Med.):-Weekly Test.**  **B.sc-1(N.MSec.-BLAB):- Identify Chloride, Bromideand IodideIons by ascending Paper Chromatography.** |
| **WEEK 11,DAY 4 ,DATE :15/03/2018(THURSDAY)** |
| **B.sc-2(N.MSec.-A):- Electrode reactions, Nernst equations.**  **B.sc-1(N.MSec.-B&Med.):- Kohlarausch’s Law, calculation of molar ionic conductance and effect of viscosity temperature & pressure on it.**  **B.sc-1(N.MSec.-BLAB):- Observation and Calculation.** |
| **WEEK 11,DAY 5 ,DATE :16/03/2018(FRIDAY)** |
| **B.sc-2(N.MSec.-B):-Standard Hydrogen electrode, reference electrodes, standard electrodes potential.**  **B.sc-2(N.MSec.-BLAB):- To Detect given Organic Compound.** |
| **WEEK 11 ,DAY 6 ,DATE :17/03/2018(SATURDAY)** |
| **B.sc-2(N.MSec.-BLAB):- Writing Experiment in practical file.**  **B.sc-1(N.MSec.-ALAB):- Writing Experiment in practical file.** |
| **WEEK 12** |
| **ASSIGNMENT:** |
| **WEEK 12,DAY1 ,DATE :19/03/2018(MONDAY)** |
| **B.sc-1(N.MSec.-A):-Determination of solubility product of sparingly soluble salts, conductometric titrations.**  **B.sc-1(N.MSec.-A LAB ):-Revision of Experiment.** |
| **WEEK 12,DAY 2 ,DATE :20/03/2018(TUESDAY)** |
| **B.sc-1(N.MSec.-A):- Definition of pH and pKa, Buffer solution, Buffer action.**  **B.sc-1(N.MSec.-A LAB ):- Revision of Experiment.** |
| **WEEK 12,DAY 3 ,DATE :21/03/2018(WEDNESDAY)** |
| **B.sc-2(N.MSec.-A):-Derivation of cell EMF and single electrode potential.**  **B.sc-1(N.MSec.-B&Med.):- Application of Kohlarausch’s Law in calculation of conductance of weak electrolytes at infinite diloution.**  **B.sc-1(N.MSec.-BLAB):- Revision of Experiment.** |
| **WEEK 12,DAY 4 ,DATE :22/03/2018(THURSDAY)** |
| **B.sc-2(N.MSec.-A):-Electrodes, standard electrodes potential, sign conventions.**  **B.sc-1(N.MSec.-B&Med.):- Applications of conductivity measurements: determination of degree of dissociation, determination of Ka of acids.**  **B.sc-1(N.MSec.-BLAB):- Revision of Experiment.** |
| **WEEK 12,DAY 5 ,DATE :23/03/2018(FRIDAY)** |
| **Holiday on account ofShahididiwas.** |
| **WEEK 12 ,DAY 6 ,DATE :24/03/2018(SATURDAY)** |
| **B.sc-2(N.MSec.-BLAB):- To Detect given Organic Compound.**  **B.sc-1(N.MSec.-ALAB):-Writing Experiment in practical file.** |
| **WEEK 13** |
| **ASSIGNMENT:** |
| **WEEK 13,DAY1 ,DATE :26/03/2018(MONDAY)** |
| **B.sc-1(N.MSec.-A):- Henderson – Hazel equation, Buffer mechanism of buffer action.**  **B.sc-1(N.MSec.-A LAB ):- Revision of Experiment.** |
| **WEEK 13,DAY 2 ,DATE :27/03/2018(TUESDAY)** |
| **B.sc-1(N.MSec.-A):- Weekly Test.**  **B.sc-1(N.MSec.-A LAB ):- Revision of Experiment.** |
| **WEEK 13,DAY 3 ,DATE :28/03/2018(WEDNESDAY)** |
| **B.sc-2(N.MSec.-A):-Electrochemical series and its applications.**  **B.sc-1(N.MSec.-B&Med.):-Determination of solubility product of sparingly soluble salts, conductometric titrations.**  **B.sc-1(N.MSec.-BLAB):- Revision of Experiment.** |
| **WEEK 13,DAY 4 ,DATE :29/03/2018(THURSDAY)** |
| **Holiday on account of Mahavirjayanti.** |
| **WEEK 13,DAY 5 ,DATE :30/03/2018(FRIDAY)** |
| **B.sc-2(N.MSec.-B):-Derivation of cell EMF and single electrode potential.**  **B.sc-2(N.MSec.-BLAB):-ToDetectgivenOrganicCompound.** |
| **WEEK 13 ,DAY 6 ,DATE :31/03/2018(SATURDAY)** |
| **B.sc-2(N.MSec.-BLAB):- Writing Experiment in practical file.**  **B.sc-1(N.MSec.-ALAB):-Revision of Experiment.** |
| **WEEK 14** |
| **ASSIGNMENT:** |
| **WEEK 14,DAY1 ,DATE :02/04/2018(MONDAY)** |
| **B.sc-1(N.MSec.-A):- Revision.**  **B.sc-1(N.MSec.-ALAB ):-Revision of Experiment.** |
| **WEEK 14,DAY 2 ,DATE :03/04/2018(TUESDAY)** |
| **B.sc-1(N.MSec.-A):- Revision.**  **B.sc-1(N.MSec.-ALAB ):-Revision of Experiment.** |
| **WEEK 14,DAY 3 ,DATE :04/04/2018(WEDNESDAY)** |
| **B.sc-2(N.MSec.-A):- Weekly Test.**  **B.sc-1(N.MSec.-B&Med.):- Definition of pH and pKa, Buffer solution, Buffer action.**  **B.sc-1(N.MSec.-BLAB):- Revision of Experiment.** |
| **WEEK 14,DAY 4 ,DATE :05/04/2018(THURSDAY)** |
| **B.sc-2(N.MSec.-A):- Concentration cells with and without transference, liquid junction potential.**  **B.sc-1(N.MSec.-B&Med.):- Henderson – Hazel equation, Buffer mechanism of buffer action.**  **B.sc-1(N.MSec.-BLAB):- Revision of Experiment.** |
| **WEEK 14,DAY 5 ,DATE :06/04/2018(FRIDAY)** |
| **B.sc-2(N.MSec.-B):- Concentration cells with and without transference, liquid junction potential.**  **B.sc-2(N.MSec.-BLAB):- To determine the CST of Phenol-Water System.** |
| **WEEK 14 ,DAY 6 ,DATE :07/04/2018(SATURDAY)** |
| **B.sc-2(N.MSec.-BLAB):- Observation and Calculation.**  **B.sc-1(N.MSec.-ALAB):-Revision of Experiment.** |
| **WEEK 15** |
| **ASSIGNMENT:** |
| **WEEK 15,DAY1 ,DATE :09/04/2018(MONDAY)** |
| **B.sc-1(N.MSec.-A):- Revision.**  **B.sc-1(N.MSec.-A LAB ):-Revision of Experiment.** |
| **WEEK 15,DAY 2 ,DATE :10/04/2018(TUESDAY)** |
| **B.sc-1(N.MSec.-A):- Revision.**  **B.sc-1(N.MSec.-A LAB ):- Revision of Experiment.** |
| **WEEK 15,DAY 3 ,DATE :11/04/2018(WEDNESDAY)** |
| **B.sc-2(N.MSec.-A):-Application of EMF measurement i.e. valency of ions, solubility product activity coefficient, potentiometric titration (acid- base and redox).**  **B.sc-1(N.MSec.-B&Med.):- Weekly Test.**  **B.sc-1(N.MSec.-BLAB):- Revision of Experiment.** |
| **WEEK 15,DAY 4 ,DATE :12/04/2018(THURSDAY)** |
| **B.sc-2(N.MSec.-A):- Determination of pH using Hydrogen electrode, Quinhydrone electrode and glass electrode by potentiometric methods.**  **B.sc-1(N.MSec.-B&Med.):- Revision.**  **B.sc-1(N.MSec.-BLAB):-Revision of Experiment.** |
| **WEEK 15,DAY 5 ,DATE :13/04/2018(FRIDAY)** |
| **B.sc-2(N.MSec.-B):- Applications of EMF Measurements.**  **B.sc-2(N.MSec.-BLAB):-To study the distribution of Iodine between water and Carbon tetra chloride.** |
| **WEEK 15 ,DAY 6 ,DATE :14/04/2018(SATURDAY)** |
| **Holiday on account ofVaisakhi& Dr B.R. Ambedkar’sJayanti.** |
| **WEEK 16** |
| **ASSIGNMENT:** |
| **WEEK 16,DAY1 ,DATE :16/04/2018(MONDAY)** |
| **B.sc-1(N.MSec.-A):- Revision.**  **B.sc-1(N.MSec.-A LAB ):- Revision of Experiment.** |
| **WEEK 16,DAY 2 ,DATE :17/04/2018(TUESDAY)** |
| **B.sc-1(N.MSec.-A):- Revision .**  **B.sc-1(N.MSec.-A):- Revision of Experiment.** |
| **WEEK 16,DAY 3 ,DATE :18/04/2018(WEDNESDAY)** |
| **Holiday on account ofMaharshiPasuramJayanti** |
| **WEEK 16,DAY 4 ,DATE :19/04/2018(THURSDAY)** |
| **B.sc-2(N.MSec.-A):- Weekly Test.**  **B.sc-1(N.MSec.-B&Med.):- Revision.**  **B.sc-1(N.MSec.-BLAB):- Revision of Experiment.** |
| **WEEK 16,DAY 5 ,DATE :20/04/2018(FRIDAY)** |
| **B.sc-2(N.MSec.-B):- Potentiometric Titrations using Glass Electrode.**  **B.sc-2(N.MSec.-BLAB):- Observation and Calculation.** |
| **WEEK 16 ,DAY 6 ,DATE :21/04/2018(SATURDAY)** |
| **B.sc-2(N.MSec.-BLAB):- Revision of Experiment.**  **B.sc-1(N.MSec.-ALAB):- Revision of Experiment.** |
| **WEEK 17** |
| **ASSIGNMENT:** |
| **WEEK 17,DAY1 ,DATE :23/04/2018(MONDAY)** |
| **B.sc-1(N.MSec.-A):- Revision.**  **B.sc-1(N.MSec.-A LAB ):-Revision of Experiment.** |
| **WEEK 17,DAY 2 ,DATE :24/04/2018(TUESDAY)** |
| **B.sc-1(N.MSec.-A):- Revision.**  **B.sc-1(N.MSec.-A LAB ):-Revision of Experiment.** |
| **WEEK 17,DAY 3 ,DATE :25/04/2018(WEDNESDAY)** |
| **B.sc-2(N.MSec.-A):-Revision.**  **B.sc-1(N.MSec.-B&Med.):- Revision.**  **B.sc-1(N.MSec.-BLAB):- Revision of Experiment.** |
| **WEEK 17,DAY 4 ,DATE :26/04/2018(THURSDAY)** |
| **B.sc-2(N.MSec.-A):- Revision.**  **B.sc-1(N.MSec.-B&Med.):- Revision.**  **B.sc-1(N.MSec.-BLAB):-Revision of Experiment.** |
| **WEEK 17,DAY 5 ,DATE :27/04/2018(FRIDAY)** |
| **B.sc-2(N.MSec.-B):- Revision.**  **B.sc-2(N.MSec.-BLAB):- Revision of Experiment.** |
| **WEEK 17 ,DAY 6 ,DATE :28/04/2018(SATURDAY)** |
| **B.sc-2(N.MSec.-BLAB):- Revision of Experiment.**  **B.sc-1(N.MSec.-ALAB):- Revision of Experiment.** |
| **WEEK 18** |
| **ASSIGNMENT:** |
| **WEEK 18,DAY1 ,DATE :30/04/2018(MONDAY)** |
| **B.sc-1(N.MSec.-A):- Revision.**  **B.sc-1(N.MSec.-A LAB ):- Revision of Experiment.** |