**SYLLABUS FOR SESSION 2014 – 15**

**CLASS XII Chemistry**

**\* Please refer to CBSE latest syllabus 2014 – 15**

|  |  |  |  |
| --- | --- | --- | --- |
| **Month** | **Concept** | **Practicals** | **No. of Assignments** |
| March | **Unit 10:**  **Haloalkanes and Haloarenes** | To prepare the standard solution of oxalic acid | 1 |
|  |  | To prepare the standard solution of mohrs salt |  |
| April | **Unit 11: Alcohols, Phenols and Ethers** | Determination of concentration/ molarity of KMnO4 solution by titrating it against a standard  solution of:  i) Oxalic acid | 1 |
|  | **Unit 12: Aldehydes, Ketones** | Determination of concentration/ molarity of KMnO4 solution by titrating it against a standard  solution of:  i) mohrs salt | 1 |
|  |  |  |  |
| May | **Unit 13: Organic Compounds containing N** | Preparation of double salt of Ferrous Ammonium Sulphate or Potash Alum. | 1 |
|  | **Unit 14: Biomolecules** |  | 1 |
| July | **UNIT VII: p-BLOCK ELEMENTS** | crystal preparation | 1 |
|  | **UNIT8:d AND f BLOCK** |  | 1 |
| August | **UNIT9: COORDINATION COMPOUNDS** | Separation of constituents present in an inorganic mixture containing two cations only (constituents  having large difference in R fvalues to be provided). | 1 |
|  | **UNIT 6: PRINCIPLES AND PROCESSES OF ISOLATION OF ELEMENTS** | Preparation of one lyophilic and one lyophobic sol  Lyophilic sol - starch, egg albumin and gum  Lyophobic sol - aluminium hydroxide, ferric hydroxide, arsenous sulphide. | 1 |
|  | **UNIT15: POLYMERS** |  | 1 |
| September | **UNIT 1: SOLID STATE** | Determination of one cation and one anion in a given salt. | 1 |
|  | **UNIT16: CHEMISTRY IN EVERYDAY LIFE** |  | 1 |
| October | **UNIT2:SOLUTIONS** | Determination of one cation and one anion in a given salt. | 1 |
|  | **UNIT3:ELECTROCHEMISTRY (half)** |  | 1 |
| November | **UNIT3:ELECTROCHEMISTRY** | Determination of one cation and one anion in a given salt. |  |
|  | **UNIT4: CHEMICAL KINETICS** | Tests for the functional groups present in organic compounds: | 1 |
|  | **UNIT5:SURFACE CHEMISTRY (half)** |  | 1 |
| December | **UNIT5:SURFACE CHEMISTRY (half)** | Characteristic tests of carbohydrates, fats and proteins in pure samples and their detection in given  food stuffs. |  |