**SYLLABUS FOR SESSION 2014 – 15**

**CLASS XI Chemistry**

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

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| --- | --- | --- | --- |
| **Month** | **Concept** | **Practical** | **No. of Assignments** |
| March |  |  |  |
|  |  |  |  |
| April | Some Basic Concepts of Chemistry | Basic Laboratory Techniques | 1 |
|  |  | Crystallization of impure sample of any one of the following: Alum, Copper Sulphate, Benzoic Acid. |  |
|  |  |  |  |
| May | Structure of Atom | Preparation of standard solution of Oxalic acid. | 1 |
|  | Classification of Elements and Periodicity in Properties | Determination of strength of a given solution of Sodium Hydroxide by titrating it against standard  solution of Oxalic acid. | 1 |
| July | Chemical Bonding and Molecular Structure | Determination of strength of a given solution of Hydrochloric acid by titrating it against standard  Sodium Carbonate solution. | 1 |
|  | States of Matter: Gases and Liquids |  | 1 |
| August | Thermodynamics | Any one of the following experiments:  Determination of pH of some solutions obtained from fruit juices, solution of known and varied  concentrations of acids, bases and salts using pH paper or universal indicator. | 1 |
|  | Equilibrium (half) |  | 1 |
| September | Equilibrium (half) | Determination of one anion and one cation in a given salt |  |
|  |  |  |  |
| October | Redox Reactions | Determination of one anion and one cation in a given salt | 1 |
|  | Hydrogen |  | 1 |
| November | s -Block Elements | Determination of one anion and one cation in a given salt | 1 |
|  | Some p -Block Elements (half) |  | 1 |
| December | Some p -Block Elements (half) | Detection of -Nitrogen, Sulphur, Chlorine in organic compounds. |  |
|  | Organic Chemistry: Some basic Principles and Techniques |  | 1 |
| January | Hydrocarbons |  | 1 |
|  | Environmental Chemistry |  | 1 |
| February |  |  |  |