**AIR FORCE SCHOOL, BAMRAULI**

**Monthly Split-Up of Syllabus**

**Academic Session 2024-25**

**Class: XII Subject: Chemistry**

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| **SL NO** | **MONTH** | **CHAPTER/UNIT** | **TOPIC/SUB TOPIC** | **ACTIVITY(PRACTICAL)** |
| 1 | APR | 1 | Solution | Preparation of one lyophilic and one lyophobic sol Lyophilic sol - starch, egg albumin and gum |
| 2 | MAY | 2 | Electrochemistry | Separation of pigments from extracts of leaves and flowers by paper chromatography and determination of Rf values (distance values may be provided). |
| 3 | JUN | 3 | Chemical Kinetics, Electrochemistry | 1. Preparation of the standard solution of Oxalic acid of a given volume 2. Determination of molarity of KMnO4 solution by titrating it against a standard solution of Oxalic acid. |
| 4 | JUL | 4 | The d and f block elements | **Qualitative analysis**:  Determination of one cation and one anion in a given salt.  Cation –NH4+  Anions – CO32-, S2-, SO32-, Cl-, CH3COO-  (Note: Insoluble salts excluded) |
| 5 | AUG | 5 | Coordination Compound | **Characteristic tests of carbohydrates and proteins in the given foodstuffs. E**  **Preparation of Inorganic Compounds- Potash Alum** |
| 6 | SEP | 6 | Halo alkane  Halo arenes | Separation of pigments from extracts of leaves and flowers by paper chromatography and determination of Rf values (distance values may be provided). |
| 7 | OCT | 7,8 | Alcohols, Phenols, Ethers  Aldehyde and Ketones  Carboxylic Acid | **Tests for the functional groups present in organic compounds**:   * 1. Alcoholic and Carboxylic groups.   2. Aldehydic and Ketonic |
| 8 | NOV | 9,10 | Organic Compound, Containing Nitrogen,  Bio molecules | **Tests for the functional groups present in organic compounds**:   * 1. Alcoholic and Carboxylic groups.   Aldehydic and Ketonic |
| 9 | DEC |  | Preboard examination revision |  |
| 10 | JAN |  | Preboard examination revision |  |
| 11 | FEB |  | Revision  Exercise of sample paper |  |
| 12 | MAR |  | Board Examination |  |