**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.
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| 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
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| 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  |  |