STD. XII – SEQUENCE OF CHEMISTRY PRACTICALS TO WRITE IN JOURNAL

1. Volumetric Analysis

Titration of oxalic acid with Acidify KMnO4

Titration of ferrous ammonium sulphate with Acidify KMnO4

(L.H.S.) (R.H.S.)

Observation, observation table, Aim, Procedure & Result

and calculation

2. Physical Experiment

- Thermochemistry (Procedure & calculation is given on website)

To determine the heat of neutralization of a strong acid and base

To determine the heat of reaction of displacements of Copper by Zinc

(L.H.S.) (R.H.S.)

Observation, calculation Aim, Procedure & Result

3. Chemical Kinetics

To study the effect of concentration on the rate of reaction between sodium thiosulphate and hydrochloride

(L.H.S.) (R.H.S.)

Observation table, graph Aim, Apparatus, Procedure & Result
4. **Analysis of Basic radicals as cation**

Identify two basic radicals in a given mixture (___,___)

i) \((NH_4^+, Pb^{2+})\)

ii) \((NH_4^+, Al^{3+})\)

iii) \((NH_4^+, Sr^{2+})\)

iv) \((NH_4^+, Cu^{2+})\)

5. **Analysis of Acidic radicals as anion**

Identify two acidic radicals in a given mixture (___,___)

i) \((CO_3^{2-}, Cl^-)\)

ii) \((Br^-, SO_4^{2-})\)

iii) \((SO_3^{2-}, NO_3^-)\)

iv) \((CO_3^{2-}, NO_3^-)\)

6. **Organic chemistry experiment (functional group)**

To determine the functional group of a given organic compound (_____)

i) - COOH

ii) Ar – OH

iii) Ar – NH₂

7. **Project**