**Experiments of Analytical Chemistry**

**(second stage)**

**2019-2020**

1. Preparation of approximately 0.1N HCl( hydrochloric acid) Solution 250 mL
2. Preparation of 0.1N Sodium carbonate(Na2CO3) solution 250 mL
3. Standardization of approximately 0.1N hydrochloric acid solution against 0.1N sodium carbonate(standard )solution.
4. Preparation of approximately 0.1N Sodium hydroxide(NaOH) solution 250 mL
5. Standardization of $≅$0.1N Sodium hydroxide solution against Standard solution of HCl
6. Determination of Acetic acid in Vinegar
7. Preparation of $≅$ 0.1 N Potassium permanganate solution (1000 mL)
8. Standardization of $≅$0.1N KMnO4 solution against 0.1N Sodium Oxalate(standard solution)
9. Determination of ferrous ion(Fe2+) in ferrous salt

 10- Standardization of Silver Nitrate (AgNo3) solution and determination of Chloride ion(Cl-) using Potassium Chromate (K2CrO4) as indicator (Mohr method)

 11- Indirect method for determining the anions (Cl- , Br- and I) - Volhard’s Method -

12- Preparation and Standardization of EDTA(di sodium salt)

 13-Determination of total hardness of water

 14- Determination of permanent hardness of water

**Experiments of Inorganic Chemistry**

**(second stage)**

 **2019-2020**

1. Refining Crude Table salt (NaCl)
2. Separation of ion
3. Determination of K2Cr2O7 Solubility in Water at Different Temperatures

 4.Preparation of Copper (I) Chloride (CuCl)

 5.Preparation of Copper (I) Iodide (CuI)

 6.Determination of Equivalent Weight of Zinc(Zn)

 7.Preparation of Chromium alum( Double salt ) KCr(SO4)2 .7H2O