**Qualitative Analysis**

**Experiment No. (1)**

**Separation and analysis of first group cations (pb+2, Hg2+2, Ag+)**

**Experiment No. (2)**

**Separation and analysis of second group cations( Cu – As group)**

**( Sn+4, As+3, Sb+3, Bi+3, Cd+2,Cu+2, Hg+2,pb+2)**

**Experiment No. (3)**

**Separation and analysis of third group cations( Al- Zn group)**

**(Zn+2, Mn+2, Ni+2, Co+2,Fe+2, Fe+3,Cr+3,Al+3)**

**Experiment No. (4)**

**Separation and analysis of fourth and fifth group cations**

**(Mg+2, Ca+1, Sr+2, Ba+2) (NH4+, K+)**