**BCH 302 practical**

**Lab Sheet #2**

**Proteins-I**

**1.Biuret test:**

|  |  |
| --- | --- |
| **Observation** | **Tube** |
|  | Add 2 ml of egg albumin+ Biuret reagent |

**2. Effect of salt concentration on the protein solubility:**

|  |  |
| --- | --- |
| **Observation** | **Tube** |
|  | globulin + NaCl |
|  | 3 ml of albumin solution + solid (NH4)2SO4 |

**3. Precipitation of proteins using Acids:**

|  |  |
| --- | --- |
| **Observation** | **Tube** |
|  | 3 ml of egg albumin +Trichloroacetic acid (TCA). |
|  | 3 ml of conc. nitric acid + egg albumin  |

**4.Precipitation of protein by salts of heavy metals:**

|  |  |
| --- | --- |
| **Observation** | **Tube** |
|  | 1ml of egg albumin+ 0.5ml of AgNO3 |

**5. Protein denaturation:**

|  |  |
| --- | --- |
| **Observation** | **Tube** |
|  | 3 ml of egg albumin in boiling water bath for 8 min |