**BCH 302 practical**

**Lab Sheet #2**

**Proteins-I**

**1.Biuret test:**

|  |  |
| --- | --- |
| **Observation** | **Tube** |
|  | Add 2 ml of albumin+ 1 ml NaOH+ 0.5 ml CuSO4 |

**Conclusion:…………………………………………………………………………………………………..**

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

|  |  |
| --- | --- |
| **Observation** | **Tube** |
|  | 3 ml of Albumin + NaCl |
|  | On the same tube add solid (NH4)2SO4, shake it very will |

**Conclusion:………………………………………………………………………………………………………**

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

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

**Conclusion:………………………………………………………………………………………………………**

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

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

**Conclusion:………………………………………………………………………………………………………**

**5. Protein denaturation:**

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

**Conclusion:………………………………………………………………………………………………………**