B.Sc. I

Chemistry Practical

Inorganic Chemistry:

Qualitative analysis of inorganic mixture containing five radicals (including insoluble substances, interfering anions and combination of anions) preferably by semimicro technique.

Organic Chemistry

Organic Compound preparation

1. Acetanilide
2. p - Bromoacetanilide
3. p- Nitroacetanilide
4. Dibenzalacetone
5. Picrate
6. α - Naphtholpicric acid
7. Phenyl – azo – β – naphthol (an azo dye)
8. Aniline Yellow

Physical Chemistry

Chemical Kinetics

1. To study the kinetics of dissolution of Mg in dil HCl.
2. To study the kinetics of decomposition of $Na_2S_2O_3$ by mineral acid.

Surface Tension

1. To determine the relative surface tension of liquid with respect to water at room temperature by stalgnometer.
2. To determine the percentage composition of a given binary mixture (non – interacting) by surface tension method.
3. (i) To determine surface tension of an aqueous solution of a detergent.
   (ii) To study the variation of surface tension with the concentration of a detergent.

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Viscosity

1. To determine the relative viscosity of liquid with respect to water at room temperature by Ostwald's viscometer.
2. To determine the percentage composition of a given binary mixture (non-interacting) by viscosity method.
3. To determine the Coefficient of viscosity of 30% cane sugar solution by Ostwald viscometer.

System of Marking

Duration: 6h (1day)	**M.M: 50**
Exercise 1: Inorganic Mixture Analysis (five radicals)	15
Exercise 2: Organic Preparation (one compound)	15
Exercise 3: Any one Exercise from Physical Chemistry	10
Viva- voce	05
Record (including chart/model)	05

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