

**B.Sc. Practical Examination' 2021**

**Semester- II**

**Gurudas College Centre**

**Subject: Chemistry(General)**

**Paper – CC/GE 2**

**Time: 1.30Hrs.**

**F.M.- 30**

1. Write the theory/ principle behind the given experiment. (10+10+10)
2. Represent the experimental data (supplied) according to the given experiment in proper tabular form.
3. Calculate the result of the given experiment according to the supplied experimental data

Experiment:

**Determination of the relative viscosity coefficient of a given solution using Ostwald viscometer.**

Data:

- a. Temperature: 25°C
- b. Data regarding specific gravity measurement:  
Mass of dry and empty specific gravity bottle - 9.20 gm  
Mass of specific gravity bottle filled with water (density = 1gm/ml) - 19.241 gm  
Mass of specific gravity bottle filled with given solution -19.543 gm
- c. Data regarding time of flow measurement of fixed vol water and given solution:  
Time of flow for water (measured three times):  
108 sec, 107 sec, 108 sec  
Time of flow for given solution (measured three times):  
118 sec, 119 sec, 120 sec