

2018

2nd Semester

CHEMISTRY

(Generic Elective)

PAPER—GE2P

(Practical)

Full Marks : 20

Time : 2 Hours

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Section-A

1. Carry out the experiment that will be allotted to you from the set of experiments given below.

(Allotment of experiment to a candidate will be made by drawing lots at the commencement of examination on the date of examination.)

- (a) Finding the surface tension of the supplied unknown solution by using a Stalagmometer.
- (b) Finding the absolute viscosity of the supplied unknown solution by using an Ostwald's viscometer.
- (c) With the help of integrated rate method finding the rate constant of the reaction of hydrolysis of methyl acetate in presence of 1.0 N hydrochloric acid solution.

Total marks of 8 are divided among the items given below :

Theory :

For experiments a and b : Marks : $2\frac{1}{2}$

For experiment c : Marks : 2

[Theory for the allotted experiment must be written in brief ; however, it must contain the working formula of the experiment (No derivation for the formula is required)]

Reporting data in tabular form, doing calculation and plotting graph (if any).

For experiments a and b :

Reporting data + Calculation : Marks : 2+2

For experiment c :

Reporting data + Calculation + Plotting graph :

Marks : $1\frac{1}{2} + 1\frac{1}{2} + 1\frac{1}{2}$

Results : Marks : $1\frac{1}{2}$

Section-B

2. Detect qualitatively the radicals present in the supplied sample marked '1'. 8
3. Viva-voce. 2
4. Laboratory Note Book. 2