

2017

CHEMISTRY

[Honours]

(CBCS)

(Practical)

PAPER – C2P

Full Marks : 20

Time : 2 hours

Answer any one question from Q.No. 1 to Q.No.4
through lottery

The figures in the right hand margin indicate marks

1. Study the kinetics of decomposition of H_2O_2 in presence of one FeCl_3 solution and find out rate constant. Marks are distributed among the following working formula/Principle, Representation of data in tabular form, graph plot and results.

15

(Turn Over)

2. Prepare a set of buffer solutions and hence to find out the pH of the unknown buffer solution by colour matching method.

Marks are distributed among the following :

Working formula/Principle, Representation of data in tabular form and Result. 15

3. Study of the kinetic of hydrolysis of methyl acetate in presence of an acid catalyst and find out the rate constant.

Marks are distributed among the following :

Working formula/principle, representation of data in tabular form, Graph Plot, Result. 15

4. Determine the heat of neutralization of a strong acid by strong base.

Marks are distributed among the following :

Working formula/principle, representation of data in tabular form, Graph Plot, Result. 15

5. Laboratory Note Book. 2

6. Viva-voce. 3