



বিদ্যাসাগর বিশ্ববিদ্যালয়
VIDYASAGAR UNIVERSITY

Question Paper

B.Sc. Honours Examinations 2022

(Under CBCS Pattern)

Semester - IV

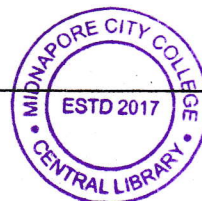
Subject: CHEMISTRY

Paper : C 8-P

Physical Chemistry - III

Full Marks : 20

Time : 3 Hours



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

The figures in the margin indicate full marks.

- A. Perform any one of the following experiments with respect to working principle experimental procedure and nature of plots. 15
1. Study of Phenol-Water phase diagram.
 2. pH - metric titration of acid (mono and di-basic) against strong base.
 3. Potentiometric titration of Mohr's Salt solution against $K_2Cr_2O_7$ solution.
 4. Determination of K_{sp} for AgCl by potentiometric titration of $AgNO_3$ solution against standard KCl solution.
- B. Laboratory Notebook 2
- C. Viva-voce 3