

B.Sc. Semester - 3 (NEP-2020) Examination

OCT/NOV-2024

CHE: Principles of Inorganic Qualitative and Gravimetric Analysis
(Skill Enhancement Course)

Time: 1:00 Hours

Marks: 25

Instructions:

1. All questions are compulsory.
2. Figures to the right indicate marks.

Que-1 Answer any two out of three questions given. (10)

- 1) Explain various steps involved in gravimetric analysis of metal ion solution with an example.
- 2) Discuss coprecipitation and post precipitation.
- 3) Explain how Barium is estimated gravimetrically. Why BaSO_4 is not burnt along with the filter paper?

Que-2 Answer any two out of three questions given. (10)

- 1) Discuss cobalt nitrate test.
- 2) Explain dry test of negative radicals with diluted HCl solution along with the reagent papers used.
- 3) Explain common ion effects involved in wet test of group II and IIIA radicals

Que-3 Answer any one out of two questions given. (05)

- 1) Explain peptization and digestion.
- 2) Explain principle of charcoal cavity test.
