

B.Sc. Semester - 3 (NEP-2020) Examination**OCT/NOV-2025****CHE: Chemistry-203 (Multidisciplinary Course)****Time: 2:00 Hours****Marks:50****Instructions:**

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

Que.1 Answer the following question. (Any two) (10)

- 1) Discuss Stengel method for manufacturing of Ammonium nitrate.
- 2) Explain Den process for manufacturing of normal super phosphate with diagram.
- 3) Discuss the role of micro nutrients in plant growth.

Que.2 Answer the following question. (Any two) (10)

- 1) Explain any three types of cement.
- 2) Discuss ISI specification of cement.
- 3) Explain Setting and Hardening of Portland cement.

Que.3 Answer the following question. (Any two) (10)

- 1) Explain major sources of Air pollution.
- 2) Write note on Acid rain.
- 3) Discuss CFC and Ozone depletion.

Que.4 Answer the following question. (Any two) (10)

- 1) Write note on Charcoal Cavity Test.
- 2) Discuss reactions for dry test with dilute HCl, along with reagent papers used.
- 3) Discuss co-precipitation.

Que.5 Answer the following question. (Any two) (10)

- 1) Discuss Sindri method for manufacturing of Urea.
- 2) Write note on RCC and give its advantages.
- 3) Explain Green House Effect.
- 4) Discuss the Conditions for Completeness of Precipitation.
