

B.Sc. Semester - 5 (NEP-2020) Examination**Oct/Nov - 2025****CHE: Pharmaceutical Chemistry (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 questions out of three questions. (10)

- (1) Explain synthesis of Metronidazole and Amoxicillin (one of each).
- (2) Define (i) Preservatives (ii) Antigen (iii) Antibiotic (iv) Fillers (v) Antibody
- (3) Discuss: Classification of drugs based on their route of administration.

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

- (1) Explain two syntheses and uses of Ibuprofen.
- (2) Discuss: Criterion of good synthesis and types of synthesis.
- (3) Explain synthesis and uses of Naproxen and Aspirin (one of each).

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

- (1) Explain synthesis and uses of Cis-Platin and Sulfamethoxazole (one of each).
- (2) Give explanation of Synthons and Synthetic equivalents with proper examples.
