

PHARMACOLOGY – II (GUESS PAPER 2025–26)

SECTION A (10 × 2 = 20)

1. Define arrhythmia and re-entry.
2. Write mechanism of action of nitrates.
3. Enumerate antiplatelet drugs.
4. Define autacoids with examples.
5. Write mechanism of action of furosemide.
6. Define bioassay and classify it.
7. What are plasma volume expanders?
8. Write mechanism of action of insulin.
9. Define oral contraceptives.
10. Write uses of prostaglandins.

SECTION B (Attempt any TWO – 2 × 10 = 20)

1. Classify diuretics. Explain pharmacology of loop diuretics.
2. Classify NSAIDs and explain pharmacology of aspirin.
3. Classify antihypertensive drugs and explain pharmacology of nitrates.
4. Explain pharmacology of oral hypoglycemic agents.

SECTION C (Attempt any FIVE – 5 × 7 = 35)

1. Classify anti-arrhythmic drugs and explain pharmacology of quinidine.
2. Classify anticoagulants and explain pharmacology of heparin or warfarin.
3. Explain prostaglandins – synthesis, actions and uses.
4. Explain pharmacology of insulin with adverse effects.
5. Discuss oral contraceptives – classification, MOA and uses.
6. Explain principles and applications of bioassay.
7. Describe pharmacology of digoxin.

■ QUESTION FREQUENCY ANALYSIS (2019–2025)

Topic	Times Asked	Exam Weight
Diuretics (Loop + Thiazides)	7 / 7	██████
Anti-arrhythmic drugs	6 / 7	██████
NSAIDs & Aspirin	6 / 7	██████
Anticoagulants (Heparin/Warfarin)	6 / 7	██████
Insulin & Antidiabetic drugs	6 / 7	██████
Oral Contraceptives	5 / 7	██████
Prostaglandins	5 / 7	██████
Bioassay	5 / 7	██████
Digoxin / CHF drugs	4 / 7	████