

PHARMACOLOGY – II (BP503T)

GUESS PAPER (Based on Repeated University Questions)

SECTION A – Attempt all questions (10 × 2 = 20)

- a) Define arrhythmia and explain re-entry phenomenon.
- b) Write the mechanism of action of nitrates.
- c) How aspirin acts as an antiplatelet drug?
- d) Write the mechanism of action of furosemide.
- e) Define autacoids and classify them.
- f) What are plasma volume expanders? Write their functions.
- g) Enlist antiplatelet drugs.
- h) Define bioassay and classify types of bioassay.
- i) Write the mechanism of action of insulin.
- j) What are anabolic steroids?

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

- a) Classify NSAIDs and explain pharmacology of Aspirin.
- b) Classify diuretics and describe pharmacology of loop diuretics.
- c) Classify anti-arrhythmic drugs and explain pharmacology of Quinidine.

SECTION C – Attempt any FIVE ($5 \times 7 = 35$)

- a) Classify anti-hypertensive drugs and explain pharmacology of nitrates.
- b) Classify anticoagulants and discuss pharmacology of Heparin.
- c) Discuss pharmacology of Digoxin in congestive heart failure.
- d) Classify antidiabetic drugs and explain pharmacology of insulin.
- e) Discuss pharmacology of oral contraceptives.
- f) Explain principles and applications of bioassay.
- g) Explain physiological and pathological roles of prostaglandins.

Question Repetition Chart (2020–2025)

Topic / Question	Repeated Years
NSAIDs & Aspirin	2020–2025
Diuretics (Loop, Thiazide)	2020–2025
Anti-arrhythmic drugs & Quinidine	2021–2025
Digoxin & CHF	2020–2025
Anticoagulants (Heparin, Warfarin)	2021–2025
Insulin & Antidiabetic drugs	2020–2025
Bioassay	2020–2025
Prostaglandins & Autacoids	2020–2025