

Question Bank Subject: Pharmacology II (SEM V)

I. Short Answer Question (5 Marks)

- 1) Write briefly on Calcium channel blockers
- 2) Brief note on Digoxin toxicity and its management
- 3) Give Pharmacological basis of treating angina pectoris
- 4) Classify anti coagulants and explain the pharmacology of heparin
- 5) Classify fibrinolytic agents and explain the pharmacology of streptokinase
- 6) Classify anti thrombotics and explain the pharmacology of aspirin?
- 7) Explain the mechanism of action of aspirin
- 8) Write note on parenteral iron therapy
- 9) Write short note on potassium sparing diuretic
- 10) Write briefly on Insulin analogues
- 11) Classify Anti thyroid drugs with examples and explain their uses and adverse effect
- 12) Describe the pharmacological actions, therapeutic indication and adverse effects of corticosteroids and add note on inhaled steroids
- 13) Describe Mechanism of action of oxytocin
- 14) Brief notes on uterine relaxants
- 15) Give mechanism of action of the tamoxifen
- 16) Explain the mechanism of action of oral contraceptives
- 17) Write a note on therapeutic importance of 5-HT antagonist
- 18) Explain the physiological role and therapeutic uses of prostaglandins
- 19) Give the therapeutic uses of antihistamines
- 20) Write a note on oral contraceptives and hormonal contraceptives
- 21) What is plasma expanders?
- 22) Define shock and explain how shock can be managed?
- 23) Give the mechanism of action, uses and adverse effects of organic nitrates.
- 24) Discuss the pharmacology of beta blocker
- 25) Give the mechanism of action and adverse effects of quinidine.
- 26) Give the mechanism of action of streptokinase
- 27) Describe the mechanism of action of acetazolamide
- 28) Write contraindications and adverse effects of plasma volume expanders.
- 29) What are thrombolytics? Classify them with examples.
- 30) Write a note on oestrogen
- 31) Classify oral hypoglycemic with examples. Add note on metformin.
- 32) Enlist various 5HT receptors and its antagonists.
- 33) Brief the triple response of histamine.
- 34) Write note on biosynthesis of prostaglandins
- 35) Give the physiological role of prostaglandins
- 36) Write a note on Warfarin sodium as an oral anticoagulant
- 37) Brief the treatment of anaphylactic shock
- 38) Discuss the mechanism of action and adverse effects of lignocaine
- 39) Explain the drug interaction of anti angina drugs.
- 40) Write a note on beta adrenoreceptor blocking agents
- 41) Discuss cardio vascular effects of adrenaline, nor adrenaline and isoprenaline.
- 42) Give the role of ACE inhibitors in congestive cardiac failure.
- 43) Write a note on digoxin
- 44) Write in brief combination therapy to treat hypertension.
- 45) What do you mean by cardiac ischemia, angina pectoris and silent angina?

II. Long Answer Questions (10 marks)

- 1) Classify and enumerate antihypertensive and explain the pharmacology of hydralazine?
- 2) Classify and enumerate drugs used in CCF and explain the pharmacology of digoxin?
- 3) Classify and enumerate hypo lipidaemics and explain the pharmacology of statins.
- 4) Classify oral anti diabetic with examples and explain the pharmacology of sulfonyl urea
- 5) Explain the synthesis, release and pharmacology of histamine
- 6) Define the Autacoids, classify them and discuss the pharmacology of Histamine or Serotonin
- 7) Define and Classify the NSAIDs. Discuss the Pharmacology of Aspirin
- 8) Describe Bioassay of Insulin
- 9) Classify diuretics according to their site of action. Explain the mechanism of action, pharmacological effects of diuretics.
- 10) Describe Bioassay of d-tubocurarine
- 11) Define bioassay. Classify the different types of bioassay. Explain in detail the bioassay of acetyl choline by matching method.
- 12) Describe bioassay principle, application and methods. Discuss bioassay of histamine
- 13) Describe narcotic analgesics. Discuss the pharmacology of morphine.
- 14) Classify antihistaminic. Discuss its pharmacological actions.
- 15) Discuss the pharmacology of non steroidal anti inflammatory agents.