

FACULTY OF PHARMACY

B. Pharmacy V - Semester (PCI) (Main & Backlog) Examination, April 2024

Subject: Pharmacology-II

Time: 3 Hours

Max. Marks: 75

PART - A

Note: Answer all the questions.

(10 x 2 = 20 Marks)

1. What are antiarrhythmics and give examples?
2. Explain the MOA of statins
3. Write short notes on plasma volume expanders
4. Define and write the therapeutic uses of fibrinolytics
5. Classify autacoids with examples
6. Write the mechanism of action and therapeutic uses of 5-HT₃ antagonists.
7. Write the mechanism of action of glucocorticoids
8. What are the therapeutic uses of thyroxine?
9. What are tocolytics and give examples?
10. What are the applications of bioassays?

PART - B

Note: Answer any two questions.

(2 x 10 = 20 Marks)

11. (a) Define and classify anticoagulants.
(b) Write the mechanism of action, adverse drug reactions and therapeutic uses of warfarin.
12. (a) What are the methods of bioassay of insulin and describe any one method in detail.
(b) What are the methods of bioassay of digitalis and describe any one method in detail.
13. (a) Define and classify antihypertensives.
(b) Write the mechanism of action, adverse drug reactions and therapeutic uses of ACE inhibitors.

PART - C

Note: Answer any seven questions.

(7 x 5 = 35 Marks)

14. Classify antianginal drugs. Write the therapeutic uses of organic nitrates
15. Write the pharmacology of digoxin
16. Classify diuretics. Write the MOA and therapeutic uses of loop diuretics
17. Write short notes on hematinics
18. Write notes on insulin preparations
19. Discuss the pharmacological actions of prostaglandins and write the therapeutic uses of prostaglandin analogs
20. Classify NSAIDs with examples. Explain the mechanism of action of aspirin.
21. Write short notes on oxytocics
22. Classify antithyroid agents. Write about thioamides.