

PHARMACOLOGY - I

Time: 3 Hours

Total Marks: 100

- Answer all Questions.

Essay

(3x10=30)

1. Explain the pharmacotherapy of heart failure
2. What is biotransformation. Explain various phase I reactions with suitable examples
3. Discuss the advantages and disadvantages of different routes of administration.

Short notes

(14x5=70)

4. Explain the factors affecting Bioavailability
5. Different types of antagonism
6. Define: • Synergism • Full agonist • Spare receptors • ED50 • Dependence
7. Explain the basic principles involved in poison treatment
8. Compare and contrast neostigmine and physostigmine
9. Explain the treatment of atropine poisoning
10. Why drugs have to be used with caution during pregnancy. Name the drug that can be used for morning sickness
11. 5-HT antagonist
12. HMG-CoA reductase inhibitors
13. Pharmacological action and therapeutic uses of AT₁ receptor blocker
14. Calcium channel blocker
15. Mechanisms of actions and therapeutic uses of amiodarone and finasteride
16. Drugs used to treat thyrotoxicosis
17. Name the adrenal cortical hormones and mention their therapeutic uses
