

(2010 Scheme)

PHARMACOLOGY - I

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Define drug. Explain with example the factors modifying drug action
2. Classify anti-hypertensive drugs with suitable examples. Explain the pharmacological and mechanism of actions of ACE inhibitors
3. What are anti-cholinesterase inhibitors and classify them with suitable examples. State the symptoms, mechanism of actions and treatments of organophosphorous compound poisoning.

Short notes

(14x5=70)

4. Explain the neurohumoral transmission of adrenergic system with suitable diagram
5. Classification and mode of action of organic nitrates
6. Pro drug
7. Reasons for targeted drug delivery
8. Define receptor. Explain occupational receptor theory
9. How will you treat arsenic poisoning.
10. Define: • Carcinogenicity • Acute toxicity • Essential drugs • Spurious drugs • Inverse agonist
11. Therapeutic uses of adrenergic agonists
12. What is vesamicol and hemicholinium.
13. Explain the role of prostaglandins in ulcer induction
14. Pharmacological action and therapeutic uses of minoxidil
15. Mucolytics
16. Mechanism of action of insulin
17. What are oral contraceptives and mention its mechanism of action