

**PHARMACOLOGY – I
(2012 Scheme)**

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Classify anti cholinergic drugs with suitable examples. Add a note on pharmacological actions of atropine.
2. Classify antihistamines with suitable examples. Mention the therapeutic uses of H1 blockers.
3. Briefly explain the renal clearance and volume of distribution

Short notes

(14x5=70)

4. Membrane transporters.
5. State the factors affecting drug absorption.
6. What is antagonism and explain competitive antagonism with example
7. How glaucoma has been treated.
8. Pharmacological actions of telmisartan.
9. State the therapeutic uses of atenolol.
- 10.5-HT blockers and their clinical significance
- 11.Explain the vagal effect and cardiotoxic property of digitalis.
- 12.Sub-acute toxicity studies.
13. Drug dependence.
- 14.What is meant by biological clock. Give example of an endogenous substance follow circadian rhythm and its importance.
- 15.What are oral contraceptives and mention its mechanism of action.
- 16.Different insulin preparations available in the market.
- 17.State three therapeutic uses and adverse drug reactions of corticosteroid.
