

Third Year B.Pharm Degree Supplementary Examinations
November 2018

Pharmacology – I
(2012 Scheme)

Time: 3 Hours**Total Marks: 100**

- Answer all Questions.
- Write equations wherever necessary.

Essays**(3x10=30)**

1. Enumerate and explain various physicochemical factors influencing drug absorption and bioavailability.
2. Classify oral hypoglycemic drugs with suitable examples. Explain the mechanism, pharmacokinetic and adverse effects of any one hypoglycemic agent.
3. Classify antihypertensive drugs with suitable examples. Explain the mechanism of action of any two antihypertensive drugs.

Short notes**(14x5=70)**

4. Explain the adverse effects and contraindications of glucocorticoids.
5. List the newer drug delivery systems and explain their advantages.
6. Explain the actions of estrogens with receptor mechanism.
7. Classify anticholinesterases with suitable examples and give their mechanism of actions.
8. Explain the general principles of treatment of poisoning.
9. What are mucolytic agents. Explain their mechanism and therapeutic uses.
10. Explain the general mechanism of drug action.
11. List the drugs used for myasthenia gravis and explain their mechanism of actions.
12. Explain the mechanism of actions, adverse effects and uses of HMG-CoA reductase inhibitors.
13. Define posology, pharmacoeconomics, orphan drugs, proprietary name and pharmacovigilance.
14. Name various 5HT receptors and explain the therapeutic uses of 5HT antagonists.
15. Explain the pharmacotherapy of angina pectoris.
16. What are prodrugs. Explain the applications of prodrugs.
17. Name the drugs used for glaucoma and explain their mechanism
