

2012 Scheme

QP CODE: 313006

Reg. No:

Third Year B.Pharm Degree Supplementary Examinations November 2019

Pharmacology – I

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essays

(3x10=30)

1. What is drug's biotransformation. Explain the phases of drug's biotransformation reactions.
2. Name various adrenergic receptors. Explain the pharmacological actions and therapeutic uses of adrenergic drugs.
3. Classify β blockers with suitable examples. Explain the pharmacology, adverse effects and uses of propranolol.

Short notes

(14x5=70)

4. Explain first pass metabolism and enterohepatic cycling of drugs.
5. Write the mechanism of action and uses of neuromuscular blocking agents.
6. Define-acute, subacute, chronic, genotoxicity and carcinogenicity toxicity studies.
7. Renin-angiotensin system and drugs modifying it.
8. Define mydriatics and miotics with an example each. Write their therapeutic uses.
9. Classify drugs used for cardiac arrhythmia with suitable examples and write the mechanism of action of any one class of drugs.
10. What are expectorants. Write the mechanism and therapeutic uses.
11. Explain the pathophysiological roles of prostaglandins.
12. What are plasma expanders. Explain the desirable properties of plasma expanders.
13. Explain the adverse effects and uses of glucocorticoids
14. Name various targets for drug action and explain any one.
15. Pharmacotherapy of bronchial asthma.
16. Explain the mechanism of actions, adverse effects and drug interactions of nitrates.
17. What are hormonal contraceptives. Explain the methods of hormonal contraceptive.
