

2012 Scheme

QP CODE: 313006

Reg. No:

Third Year B.Pharm Degree Supplementary Examinations June 2022

Pharmacology – I

Time: 3 Hours

Total Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essays

(3x10=30)

1. Explain different types of receptors. Describe the structure and mechanism of kinase linked receptors.
2. Explain the pharmacotherapy of hypertension.
3. Classify oral hypoglycemic drugs with examples. Explain the pharmacology of sulfonylureas.

Short notes

(14x5=70)

4. Describe the structure and mechanisms of adrenergic receptors.
5. Contraceptive pills.
6. Define the terms: expectorant; synergism; drug tolerance; therapeutic index.
7. Pharmacokinetic drug-drug interactions.
8. Explain the synthetic reactions of drug metabolism.
9. Explain the therapeutic uses of 5 HT agonists and antagonists.
10. Explain receptor up regulation and down regulation with suitable examples.
11. Explain the mechanism of cardiac glycosides and justify the need for therapeutic drug monitoring for digitalis.
12. Explain the pharmacological actions of thyroid hormones.
13. Plasma expanders.
14. Explain the mechanism and adverse effects of metformin.
15. Explain the signs and symptoms of lead poisoning and its management.
16. Discuss the therapeutic applications of beta blockers.
17. Explain the concept of essential drugs.
