

QP Code: 424006

Reg. No.....

**Fourth Semester B.Pharm Degree Supplementary Examinations
July 2023**

Pharmacology I

(2017 Scheme)

Time: 3 Hours

Max. Marks: 75

- *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 diagrams wherever necessary*

Essays

(2x10=20)

1. Describe protein binding and its significance. Write a note on the factors affecting drug absorption.
2. Classify adrenergic drugs with examples. Describe the pharmacological actions, adverse effects and therapeutic uses of adrenaline.

Short Notes

(7x5=35)

3. Describe enzyme-linked kinase receptors with examples.
4. Differentiate between enteral and parenteral routes of drug administration.
5. Write a short note on the general principles involved in the treatment of poisoning.
6. Write about biological clock and their significance.
7. Write the mechanism of action and adverse effects of lignocaine.
8. Describe briefly neurohumoral transmission.
9. Classify antipsychotics along with their therapeutic uses.

Answer Briefly

(10x2=20)

10. Define the therapeutic index and its significance.
11. Classify general anaesthetics.
12. Define genotoxicity and teratogenicity.
13. Write about antagonism with examples.
14. Classify opioid analgesics.
15. What is enzyme induction. Write any two examples
16. Define Circadian rhythm and Infradian rhythm.
17. List any four examples of beta blockers.
18. Significance of pharmacovigilance.
19. Classify antimanic drugs.
