

QP Code: 424006

Reg. No.....

**Fourth Semester B.Pharm Degree Regular/Supplementary
Examinations April 2021
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 the signal transduction mechanisms of various drug receptors.
2. Classify antiepileptic drugs with examples. Describe their mechanism of action and mention their toxicities.

Short Notes

(7x5=35)

3. Mention different processes of absorption of drugs and describe any one process.
4. Describe the events occur in the acute toxicity study of a new chemical compound.
5. Classify neuromuscular blockers with examples and describe their mechanism of action.
6. Define pre-anesthetic medication. Mention the drugs used in pre-anesthetic medication and explain the rationale behind their use.
7. Describe the clinical symptoms and management of acute morphine poisoning.
8. Describe the mechanism of action, uses and adverse effects of chlorpromazine.
9. Therapeutic uses of local anesthetics.

Answer Briefly

(10x2=20)

10. Explain sublingual route of administration of drugs with examples.
11. Define therapeutic index.
12. Mention four hepatotoxic drugs.
13. Explain the role of placebo in the clinical evaluation of drugs.
14. Mention the therapeutic uses and toxicities of atropine.
15. What is the rationale in combining carbidopa with levodopa.
16. What is the mechanism of action of lithium carbonate.
17. Define inverse agonist with an example.
18. Mention two opioid antagonists.
19. Mention any one pharmacokinetic drug interaction
