

QP Code: 424006

Reg. No.....

Fourth Semester B.Pharm Degree Examinations July 2019

Pharmacology I

(2017 Scheme)

Time: 3 Hours

Max. Marks: 75

- **Answer all questions**
- **Draw diagrams wherever necessary**

Essays

(2x10=20)

1. Define drug metabolism. Describe various metabolic reactions with examples.
2. Classify sedatives and hypnotics with examples. Describe the pharmacology of any two different groups of sedatives and hypnotics.

Short Notes

(7x5=35)

3. Describe various routes of excretion of drugs.
4. Describe dose-response curves.
5. Explain pharmacokinetic drug interactions with examples.
6. Describe the mechanism of action and therapeutic uses of physostigmine.
7. Describe the stages of general anesthesia.
8. Describe the mechanism of action and pharmacological actions of any one group of antidepressants.
9. Describe the pharmacology of any one drug useful in Alzheimer's disease.

Answer Briefly

(10x2=20)

10. Give two examples of drugs acting on ligand gated ion channels.
11. Define enzyme induction with an example.
12. Name two teratogenic drugs.
13. Mention the drugs used in the treatment of organophosphorus poisoning.
14. Mention the therapeutic uses of skeletal muscle relaxants.
15. Name the inhibitory neurotransmitters in the central nervous system.
16. What is the rationale in using atropine as pre-anesthetic medication.
17. Mention the management of acute barbiturate poisoning.
18. Name two opioid antagonists.
19. Define drug dependence.
