

QP Code: 424006

Reg. No.....

**Fourth Semester B. Pharm Degree Supplementary Examinations
December 2019
Pharmacology I**

(2017 Scheme)

Time: 3 Hours

Max. Marks: 75

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

Essays

(2x10=20)

1. Classify antidepressant drugs and explain the pharmacology of tricyclic antidepressant drug.
2. List the neuromuscular blocking agents and discuss the pharmacology of d-tubocurarine.

Short Notes

(7x5=35)

3. Explain the factors affecting absorption.
4. Explain enzyme induction.
5. Describe the signal transduction mechanism of ligand gated ion channels.
6. Classify local anesthetics and explain the mechanism of action of lignocaine.
7. Describe serotonergic transmission.
8. Describe the importance of various neurotransmitters.
9. Classify CNS stimulants and explain the pharmacological action of amphetamine.

Answer Briefly

(10x2=20)

10. Classify the types of antagonism with examples
11. Advantages and disadvantages of intra venous drug administration
12. Enumerate the factors affecting a drug's action
13. Name the types of adverse drug reaction
14. Functions of ANS
15. Classify adrenergic receptors with examples
16. Mechanism of action and uses of dopamine
17. Symptoms of barbiturate poisoning
18. List the nootropic drugs
19. Adverse reaction of levodopa
