

**VINAYAKA MISSION'S RESEARCH FOUNDATION
(DEEMED TO BE UNIVERSITY), SALEM**

**B.PHARM. DEGREE EXAMINATION – JANUARY 2020
Fourth Semester**

PHARMACOLOGY - I

Time : Three hours

Maximum: 75 marks

I. Write essays on any **TWO** questions: (2 x 10 = 20)

1. Adverse drug reactions.
2. Explain types of GPCR with examples.
3. Classify parasympatholytics. Explain the pharmacological effects and uses of atropine.

II. Write short answers on any **SEVEN** questions: (7 x 5 = 35)

4. Drugs used to treat glaucoma.
5. Explain the stages of anaesthesia.
6. Short note on anti-Parkinson's drug.
7. Classify opioid analgesics and mention their application.
8. Neurohumoral transmission of acetylcholine.
9. Therapeutic classification of adrenergic drugs.
10. Name and state the functions of CNS neurotransmitters.
11. Explain the phases of clinical trials.
12. Write a short note on ADME.

III. Write short notes on : (10 x 2 = 20)

13. Define pharmacology.
14. Source of drugs.
15. Tachyphylaxis.
16. Define therapeutic index and mention its application.
17. Spare receptor concept.
18. Define partial agonist. Give examples.
19. Drug targets.
20. Application of DRC.
21. Define physical and physiological dependence.
22. Short note on disulfiram.
