

VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)

B.PHARM. DEGREE EXAMINATION – February 2020
Third Year

PHARMACOLOGY I

Time : Three hours

Maximum: 70 marks

I. Write essays on any **TWO** questions: (2 x 15 = 30)

1. a) Explain the factors modifying drug action.
b) Discuss the various routes of drug administration.
c) Explain about intravenous route of drug administration.
2. a) Classify anti-depressants. Explain the pharmacology of tricyclic antidepressants.
b) Discuss the pharmacological actions of sedatives.
3. a) Classify the opioid drugs, discuss the mechanism of action, pharmacological action, ADR and uses of Morphine.
b) Discuss about narcotics antagonists.

II. Write short essays on any **SIX** questions: (6 x 5 = 30)

4. Write notes on drug-drug interaction.
5. Classify antihypertensive agents. Write brief on vasodilators.
6. Anti-parkinsonism drugs. Explain the purpose of combining levodopa and carbidopa.
7. G-Protein coupled receptor.
8. Drug discovery and development of new drugs.
9. Classify anti-anxiety drugs and their uses.
10. General principle and treatment of Heavy metal poisoning.
11. Write short essays on anti-asthmatic drugs.

III. Write short notes on any **FIVE** questions: (5 x 2 = 10)

12. Explain about nicotinic receptors.
13. Mention two anti-adrenergic drugs.
14. Name two drug therapy during pregnancy and lactation.
15. Write briefly about diazepam.
16. Define acute, subacute toxicity.
17. Drug therapy of shock.