

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

**B.PHARM. DEGREE EXAMINATION – JULY 2019
Fourth Semester**

PHARMACOLOGY - I

Time : Three hours

Maximum: 75 marks

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

1. Define biotransformation. Explain the reactions and enzymes involved in phase I reaction.
2. Classify of receptors. Explain in detail about ion channel receptor with examples.
3. Classify Anti-adrenergic Drugs. Explain the pharmacological effects and uses of β adrenergic blocking drugs.

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

4. Drugs used to treat myasthenia gravis.
5. Short note on local anaesthetic agents.
6. Drugs used to treat alzheimer's disease.
7. Classify anti-depressant and anti-psychotic drugs.
8. Neurohumoral transmission of GABA and glutamate.
9. Classification of parasympatholytics.
10. Write a short note on pre-anesthetic medications.
11. Explain the phase of clinical trials.
12. Write a short note on the importance of drug interaction.

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

13. Define drug and medicine.
14. Name the types of GPCR.
15. Idiosyncrasy.
16. Define therapeutic window and mention its application.
17. Inverse agonist concept.
18. Define partial agonist. Give examples.
19. Classes of Nuclear receptors.
20. Application of DRC.
21. Define drug abuse and drug addiction.
22. Classify anti-epileptics.