

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

**B.PHARM. DEGREE EXAMINATION – July 2021
Fourth Semester**

PHARMACOLOGY - I

Time : Three hours

Maximum: 75 marks

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

1. Describe the normal anatomy and physiology of ANS. Discuss the Neurohumoral transmission within the parasympathetic nervous system.
2. Symptoms and treatment of Myasthenia Gravis.
3. What is clinical evaluation? Describe the various phases of clinical evaluation.

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

4. Define metabolism. Write short notes as various reactions involved in metabolism.
5. Factors affecting absorption.
6. Write the mechanism of action of Disulfuram.
7. Mood stabilizers.
8. Centrally acting skeletal muscle relaxants.
9. Drugs indicated in Alzheimer's disease.
10. Write a note on MAO inhibitors.
11. Pharmacological actions and side effects of Atrophine.
12. Write brief note about Selective β_2 agonists and its uses.

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

13. What is prodrug? Give example?
14. Define Agonist.
15. Give two examples of opioid antagonists.
16. What are secondary messengers in G- protin coupled receptor.
17. Name the drug causes malignant hyperthermia.
18. Dissociative anesthetics.
19. Name two ganglion blockers with their therapeutic uses.
20. What are the contraindication to the use of Propranolol?
21. Name the neurotransmitters of the CNS.
22. Advantages for combining adrenaline along with local anesthetics.