

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

**Pharm.D DEGREE EXAMINATION - July 2019
Second Year**

PHARMACOLOGY I

Time: Three hours

Maximum: 70 marks

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

1. Classify the various route of drug administration and explain detail about the various injection. Write the note on drug delivery system.
2. Classify bronchodilators. Write the pharmacological action, mechanism of action and adverse effect of theophylline. Use of mast cell stabilizers in bronchial asthma.
3. Mention the therapeutic uses and adverse effects of loop diuretics.

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

4. Bioassay of oxytocin.
5. Write a note drug abuse.
6. Succinylcholine.
7. MAO inhibitors.
8. Levodopa.
9. Mood stabilizers.
10. Write a note on treatment of shock.
11. Selective β_2 agonists and their advantages.

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

12. Write the mechanism of action of digitalis
13. Brief the therapeutic uses of angiotensin converting enzyme inhibitors.
14. Name the two drugs that suppress dry cough.
15. Advantages of sublingual route.
16. Give the therapeutic use of adrenaline.
17. Define teratogenicity with example.
