

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

**Pharm.D DEGREE EXAMINATION - February 2020
Second Year**

PHARMACOLOGY - I

Time: Three hours

Maximum: 70 marks

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

1. Define the term drug biotransformation. Discuss the different types of biotransformation with eg.
2. What are anti-inflammatory drugs? Classify them with suitable examples. Discuss the pharmacological action, adverse effects and therapeutic uses of aspirin.
3. Classify antiarrhythmic drugs with examples for each group. Explain the mechanism of action, pharmacological actions, therapeutic uses and adverse effects of quinidine.

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

4. Write about on Bioavailability.
5. Clinical trails.
6. Classify anticonvulsant drugs with examples.
7. Mast cell stabilizers.
8. Explain the action of nitrates in angina pectoris.
9. Calcium channel blockers.
10. What are diuretics? Classify them with examples.
11. Define asthma and write classification of Anitasthmatic drugs.

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

12. What is status asthma site the drug of choice?
13. Name two Expectorant.
14. Write the mechanism of action of frusimide.
15. Write the mechanism of action of disulfuran.
16. Factors modifying drug action.
17. Agonist.
