

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

**B.PHARM. DEGREE EXAMINATION – August 2019**  
**First Year**

**PHARMACOLOGY - I**

Time : Three hours

Maximum: 70 marks

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

1. a) Classify cholinergic drugs with example for each group.  
b) Describe pharmacological actions of and therapeutic use and adverse effect of acetylcholine.  
c) Mention the therapeutics uses and adverse effect of atropine.
2. a) Discuss the pathophysiology of Parkinson's disease. Add a note on drugs available for its treatment.  
b) Write the significance of lithium salts as antipsychotic drug.
3. a) Classify sympathetic blocking drugs with examples for each group.  
b) Describe pharmacological actions, therapeutic uses and adverse effects of propranolol.

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

4. Pharmacological action and uses of xanthine group of drugs.
5. Write short notes on phase I biotransformation reactions.
6. What are cardiac glycosides? Write mechanism of action and uses of digitalis.
7. Classify anti-epileptic agents. Explain the pharmacological actions of Phenytoin.
8. Discuss the local anaesthetics mechanism of action.
9. Drugs used in myasthenia gravis.
10. General principle and treatment of Heavy metal poisoning.
11. Classify anti-anginal drugs and write the uses of Nitroglycerine.

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

12. What is drug tolerance?
13. Name excitatory neurotransmitters present in CNS.
14. What is a ganglionic blocker? Give two examples.
15. Write the side effects or toxicity of anti-inflammatory agents.
16. Write a brief note on drug abuse.
17. What are carminatives? Give examples.