

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

**B.Sc. (Allied Health Sciences) DEGREE EXAMINATION**

**March 2019**

**Second Year**

**APPLIED PHARMACOLOGY**

Time: Three hours

Maximum: 75 marks

**I. Write an Essay on any ONE of the following: (1 x 20 = 20)**

1. Describe the mechanism of action, pharmacokinetics, adverse effects and therapeutic uses of steroids.
2. Classify Diuretics. Describe the mechanism of action and common adverse effects of loop diuretics.

**II. Write short notes on any TWO of the following: (2 x 10 = 20)**

3. Classify Antihistamines and add a note on mechanism of action and its side effects.
4. Enumerate the classification, side effects and managements of Analgesics.
5. Classify antihypertensive drugs. Describe the mechanism of action and common adverse effects of calcium channel blockers.
6. Enumerate the drugs acting on ANS including its indication, contraindication and adverse effects.

**III. Write short answers on any SEVEN of the following: (7 x 5 = 35)**

7. Cardiacglycosides.
8. Write the classification of general anaesthetics.
9. Neuromuscular blocking agents.
10. Inotropic drugs.
11. Classification and mechanism of action of antimicrobial agents.
12. Hyperkalemia and its management.
13. Side effects of amino glycosides.
14. What are the drugs used in perfusion?
15. Drugs used in Haemostasis.
16. Drugs used in the treatment of shock.