

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)****B.Sc. (Allied Health Sciences) & M.Sc (Integrated Programs in Cardiac
Technology)DEGREE EXAMINATION**

August 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. Enumerate the mode of action, side effects and therapeutic uses of sympathetic and parasympathetic inotropic agents.
2. Classify Anti – hypertensive drugs, enumerate the mode of action, side effects and therapeutic uses.

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

3. Classify local anaesthetics, enumerate mechanism of action, methods to prolong the duration of action, dose and route of administration.
4. Enumerate the mode of action, side effects and uses of anti-arrhythmic drugs.
5. Classify corticosteroids, its mechanism of action, adverse effects, and complications.
6. Classify antitubercular drugs, write about its mechanism of action and adverse effects.

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

7. Types of cardioplegic drugs
8. Loop diuretics
9. Pharmacotherapy of bronchial asthma
10. Mention the drugs used for depressants
11. Immunosuppressive drugs
12. Drugs used in metabolic and electrolyte imbalance
13. Classification and mechanism of anti-microbial agents
14. Adverse effects of penicillin
15. Coronary Vasodilators
16. Pharmacokinetics and pharmacodynamics of inhaled anaesthetic agents