

**VINAYAKA MISSION'S RESEARCH FOUNDATIONS, SALEM
(Deemed to be University)****B.Sc. (Allied Health Sciences) & M.Sc (Integrated Programs in Cardiac
Technology) DEGREE
EXAMINATION - February 2020****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. Classify adrenergic drugs and write the pharmacological actions, preparations, adverse effect and contraindication of adrenaline.
2. Explain about penicillin's – chemistry, mechanism, pharmacokinetics, dose and uses.

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

3. Explain about cardiac glycoside.
4. Classify antiarrhythmic drugs and explain about Quinidine.
5. Classify local anaesthetic with mechanism of action.
6. Explain the physiology of renal and write the preparation, dose, administration, adverse effect of furosemide.

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

7. Write the history, principle and types of cardioplegic drugs.
8. Classify antiemetic and write the mechanism of metoclopramide.
9. Nitrous oxide.
10. Pharmacotherapy of bronchial asthma.
11. Classify corticosteroids and its uses.
12. Cotrimoxazole.
13. Mechanism, administration and preparation of tetracycline.
14. Treatment of tuberculosis.
15. Immunosuppressive agents.
16. Name the drugs used in metabolic and electrolyte imbalance.
