

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

B.PHARM. DEGREE EXAMINATION – August 2018
Fourth Year

PHARMACOLOGY - II

Time : Three hours

Maximum: 90 marks

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

1. Explain the steps involved in the synthesis, storage and metabolism of histamine. Add a note on functions of histamine.
2. Classify the bioassay. Explain in detail indications for bioassay and the methods for bioassay of digitalis.
3. Describe the management of therapy of AIDS. Write about the mechanism of action and adverse effects of any two anti-AIDS drugs.

II. Write short essays on any **EIGHT** questions: **(8 x 5 = 40)**

4. Macrophage colony stimulating factor-source and functions.
5. MOA, drug interactions of heparin.
6. Immunostimulants
7. Uses, adverse effects and drug interactions of antithyroid drugs
8. Adjuvant therapy in malignancy
9. Cephalosporins
10. Purification of monoclonal antibodies
11. Chronopharmacokinetics
12. Proton pump inhibitors
13. Quinolones-MOA, uses and drug interactions

III. Write short notes on any **TEN** questions: **(10 x 2 = 20)**

14. Any two mechanisms for drug resistance.
15. Ketoconazole
16. MOA of clopidogrel
17. Clinical trials design
18. Agonists of 5-HT and uses
19. Adverse effects of doxorubicin
20. Role of DNA gyrase
21. Define enzyme indication and enzyme inhibition
22. Leukotrienes antagonists
23. List of hormones released by anterior pituitary gland

24. Problems with gene therapy
