

**VINAYAKA MISSION'S RESEARCH FOUNDATION  
(DEEMED TO BE UNIVERSITY), SALEM**

**B.PHARM. DEGREE EXAMINATION – JULY 2019  
Sixth Semester**

**PHARMACOLOGY - III**

Time : Three hours

Maximum: 75 marks

I. Write essays on any **TWO** questions: (2 x 10 = 20)

1. Classify the drugs to treat bronchial asthma. Explain the mechanism of action and benefits of leukotriene antagonists.
2. Explain the synergism of i) Co-trimoxazole ii) Amoxicillin with clavulanic acid
3. Classify chemotherapeutic agents used to treat malignancy. Explain the general toxicity of cytotoxic drugs.

II. Write short answers on any **SEVEN** questions: (7 x 5 = 35)

4. Classify expectorants. State the difference between expectorants and anti-tussives.
5. Write a short note on Anti-retroviral drugs.
6. Briefly explain the drugs used to treat urinary tract infection.
7. Classify immunosuppressant and write their application.
8. Define biosimilars and mention their advantages.
9. General principles of treatment of poison.
10. Write a short note on chronotherapy.
11. Name at least five protein drugs and mention their use.
12. Clinical symptoms and management of morphine overdose.

III. Write short notes on : (10 x 2 = 20)

13. Define acute toxicity.
14. Difference between narrow, broad and extended spectrum antibiotics.
15. Define chrono-pharmacology.
16. Classify anti-leprotic agents.
17. Uses of emetic drugs.
18. Adverse effects of tetracycline.
19. Uses of carminatives.
20. Define genotoxicity and carcinogenicity.
21. Drugs used in COPD.
22. Short note on bisacodyl.