

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

**MBBS DEGREE EXAMINATION – August 2019
SECOND YEAR**

PHARMACOLOGY – PAPER I

Time : Three hours

Maximum : 50 marks

**Answer ALL questions
Draw diagrams wherever necessary**

SECTION – A

I. Write essay on : (1 x 8 = 8)

1. Classify Non Steroidal Anti-Inflammatory Drugs (NSAID's). Describe the therapeutic uses of aspirin based on its mechanism of action.

II. Write short notes on : (4 x 3 = 12)

2. Explain the mechanism of development of drug resistance and its prevention.
3. Define enzyme induction and its clinical significance with suitable examples.
4. Three examples of fixed dose combinations used as anti-infective agents and their advantages.
5. Enumerate prokinetic drugs and their uses.

III. Answer briefly : (5 x 1 = 5)

6. Define drug synergism with one example.
7. Drugs administered through transdermal patch and their advantages.
8. Uses of Tramadol.
9. Morphine is given with atropine in acute biliary colic. Explain.
10. Two therapeutic uses of Alcohol.

SECTION – B

I. Write essay on : (1 x 8 = 8)

11. Classify beta lactum antibiotics. Explain the mechanism of action, therapeutic uses and adverse effects of Amoxicillin.

II. Write short notes on : (4 x 3 = 12)

12. Therapeutic uses and adverse effects of metronidazole.
13. Define scoline apnea and its management.
14. Mechanism of action and uses of omeprazole.
15. Uses and adverse effects of colchicine.

III. Answer briefly : (5 x 1 = 5)

16. Define teratogenecity. Mention two drugs with one teratogenic effect for each.
17. Define placebo and its use in drug development.
18. Fluvoxamine is used in depression – Give reason.
19. Name two emollient laxatives.
20. Define bio equivalence.