

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

**MBBS DEGREE EXAMINATION – August 2018**  
**SECOND YEAR**

**PHARMACOLOGY – PAPER I**

**Time : Three hours**

**Maximum : 80 marks**

**Answer ALL questions**  
**Draw diagrams wherever necessary**

**SECTION – A**

**I. Write essay on :** (1 x 10 = 10)

1. Define biotransformation. Explain in detail different biotransformation reactions. Add a note microsomal enzyme induction.

**II. Write short notes on :** (4 x 5 = 20)

2. Drug antagonism
3. Pre anaesthetic medication
4. Diazepam
5. H<sub>2</sub> blockers

**III. Answer briefly :** (5 x 2 = 10)

6. Enumerate four factors modifying drug action
7. Plasma half-life
8. Mention two drugs used in depression
9. Two therapeutic uses and two adverse effects of nitrates
10. Mention four drugs used in congestive cardiac failure.

**SECTION – B**

**I. Write essay on :** (1 x 10 = 10)

11. Enumerate anti malarial drugs. Write in detail the mechanism of action, uses and adverse effects of chloroquine.

**II. Write short notes on :** (4 x 5 = 20)

12. Pharmacovigilance
13. Metronidazole
14. Ciprofloxacin
15. Amphotericin - B

**III. Answer briefly :** (5 x 2 = 10)

16. Mention two purgatives and its indications.
17. Advantages of using methadone in morphine addiction
18. Role of carbidopa in Parkinsonism.
19. Mention four antiviral drugs
20. Mention two angiotensin converting enzyme inhibitors and two uses of the same.