

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

B.PHARM. DEGREE EXAMINATION – August 2018
Fourth Year

MEDICINAL CHEMISTRY - II

Time : Three hours

Maximum: 70 marks

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

1. a) Write the classification of Antihypertensive and write the synthesis of Guanithidine.
b) Write the synthesis and uses of INH and pyrazinamide.
2. a) Write a note on Anti-neoplastic agents.
b) Write the synthesis and use of (i) Fluorescin sodium (ii) Evans blue.
3. a) Write the classification of Anti-arrythmic drugs. Write the synthesis of phenytoin.
b) Write the SAR of calcium channel blockers.

II. Write short essays on any **SIX** questions: (6 x 5 = 30)

4. Write the synthesis and uses of any two antimalarial drugs.
5. Write a note on Aminoglycoside antibiotics.
6. Write the synthesis and uses of Nalidixic acid and Nitrofurantoin.
7. Write a note on Anti-fungal drugs.
8. Write the synthesis and use of Nitroglycerin and Mercaptopurine.
9. Write the chemistry and Nomenclature of steroids.
10. Write the definition and classification of local anti-infective agents.
11. Write a note on CADD.

III. Write short notes on any **FIVE** questions: (5 x 2 = 10)

12. Write the structure and uses of Mebendazole.
13. Define Anti-tubercular agents with example.
14. Write the structure and uses of Chloroquine.
15. Classify anti-viral agents.
16. Give the adverse effect of Chloramphenicol.
17. Write the structure and use of Zidovudine.
