

Sl.No: M21599

Course Code: 2910412

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

**B.PHARM. DEGREE EXAMINATION – July 2019**  
**Fourth Year**

**MEDICINAL CHEMISTRY II**

Time : Three hours

Maximum: 70 marks

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

1. Explain the stages involved in the drug design of CADD.
2. Classify anti-neoplastic agents with suitable examples. Write the synthesis of any one antimetabolite.
3. Write the structure, synthesis and uses of  
i) chloramphenicol      ii) Ketoconazole.

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

4. Write notes on local anti infective agents.
5. Classify antitubercular agents with synthesis of INH.
6. Discuss the chemistry of Penicillins.
7. Classify anthelmintics with examples.
8. Outline the SAR of sulphonamides.
9. Write the structure and uses of Flourescein sodium and propyl iodone.
10. Chemistry of natural hormones.
11. Write notes on anticoagulants.

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

12. What is solid phase synthesis?
13. Give examples for  $\beta$ -lockers.
14. Name any two 1,4 dihydropyridine  $\text{Ca}^{2+}$  channel blockers.
15. Give examples for semi-synthetic Penicilins.
16. Write the structure and uses of Dicoumarol.
17. Write any two structures of steroidal drugs.

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