

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

**Pharm.D DEGREE EXAMINATION - July 2021  
Third Year**

**MEDICINAL CHEMISTRY**

Time: Three hours

Maximum: 70 marks

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

1. Write the classification of anti tubercular drugs and discuss in details of structure, mechanism of action, SAR and synthesis of INH.
2. Explain the medicinal chemistry aspects of anti arrhythmic agents with emphasis to classification, mechanism, any one structure of each class.
3. Describe the types and applications of prodrug with various examples.

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

4. Discuss on Insulin.
5. Write note on diagnostic agents.
6. Write on thiazide diuretics.
7. Give short account combinatorial chemistry.
8. Classify anthelmintics and discuss on SAR of Azole derivatives.
9. Write details about local anti infective agents.
10. CADD.
11. Discuss about penicilins.

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

12. Oral contraceptive agents.
13. Cardio tonics.
14. Folate reductase inhibitors.
15. Anti coagulants.
16. Anti metabolites.
17. Cephalosporin.

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