

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

Pharm.D DEGREE EXAMINATION - February 2020
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 neoplastic agents and discuss in details of mechanism of action, SAR and any one synthesis of alkylating agents.
2. Explain the medicinal chemistry aspects of anti hypertensive agents with emphasis to classification, mechanism, any one structure of each class.
3. Describe various parameters involved in QSAR study.

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

4. Discuss on oral hypoglycemic agents.
5. Write note on anti tubercular agents.
6. Write on loop diuretics.
7. Give short account on adrenocorticoids.
8. Classify anti malarials and discuss on 4-amino quinolines.
9. Write details about anti fungal agents.
10. What is prodrug? Explain the types of prodrug with suitable examples.
11. Discuss about fluoro quinolone derivative.

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

12. Anti AIDS agents.
13. Antisense molecule.
14. Crystalluria.
15. Anti thyroid agents.
16. Anthelmintics.
17. Criag plot.
