

Sl.No: M21164

Course Code: MPL203T

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

**M.PHARM. DEGREE EXAMINATION – September 2021
Second Semester**

**BRANCH: PHARMACOLOGY
PRINCIPLES OF DRUG DISCOVERY**

Time : Three hours

Maximum: 75 marks

**(Draw neat labeled diagrams wherever necessary
your answer should be specific to the questions asked)**

SECTION –A

I. Answer any **THREE** questions: **(3 x 15 = 45)**

1. Discuss the role of Genomics, Proteomics and Bioinformatics in Drug Discovery Process.
2. Discuss various methods involved in Traditional Drug Design with suitable examples.
3. Discuss the approaches and applications of De novo Drug Design.
4. Discuss the basic concept of Prodrug design. With suitable example explain the Prodrug for site selective drug delivery.

SECTION –B

II. Answer any **THREE** questions: **(3 x 10 = 30)**

5. Discuss the adaption of High throughput screening in lead identification.
6. Write notes on Virtual Screening Techniques in Drug Design.
7. Discuss various tools employed for Molecular docking studies.
8. Discuss the relationship between Hansch and Fee Wilson Analysis.
