

Sl.No: M21766

Course Code: MPL203T

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

**M.PHARM. DEGREE EXAMINATION – July 2019
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. Write an essay on combinational chemistry.
2. a) Discuss molecular docking and its types.
b) Denovo drug design.
3. Explain the basic concept of pharmacophore mapping and its screening methods.
4. Write a detailed note on role of transgenic animals in target validation.

SECTION –B

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

5. Write note on antisense technologies.
6. Explain briefly about the protein structure.
7. Discuss about high throughput screening in rational drug design.
8. Detail about the statistical methods of QSAR.
