

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

**M.PHARM. DEGREE EXAMINATION – December 2018
Second Semester**

BRANCH : PHARMACEUTICS

MOLECULAR PHARMACEUTICS

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 in detail about principle and classification of Tumor Target drug delivery system.
2. Discuss about Gene Therapy and give the note on methods of gene therapy.
3. Explain liposomal drug delivery system.
4. Write the preparation and application of phytosomes.

SECTION –B

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

5. Nano particles
6. System absorption of drug through Intra Nasal Route.
7. Antibody based drug delivery system
8. Antisense molecules.
