

Sl.No: M2043

Course Code: MPH201T

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

M.PHARM. DEGREE EXAMINATION – JANUARY 2021

Second Semester

BRANCH: PHARMACEUTICS

MOLECULAR PHARMACEUTICS (NANOTECH AND TARGETED DDS)

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. Explain the detail about types, preparation and evaluation of extra Nasal Route Delivery System.
2. Describe the methods of active and passive targeting using particulate carriers. Explain various applications of liposomes for drug targeting.
3. Explain the basic concept of drug targeting. Add a note on tumour targeting.
4. a. Write in brief about liposomal Gene delivery system.
b. Add a note on Gene expression systems.

SECTION –B

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

5. Explain about monoclonal Antibodies.
6. Write about the role and importance of nanoparticles in targeted drug delivery system.
7. Preparation and applications of noisome.
8. Define microcapsules. Explain various techniques involved in coacervation phase separation.
