

Sl.No: M21756

Course Code: MPH201T

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

**M.PHARM. DEGREE EXAMINATION – July 2019  
Second Semester**

**BRANCH : PHARMACEUTICS**

**MOLECULAR PHARMACEUTICS  
(Nano Technology 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. Write the various types of containers and filling methods of aerosol.
2. Explain in detail about liposomal gene delivery systems.
3. Describe the basic concept of targeted drug delivery system and explain the tumor targeting.
4. Write the preparation and evaluation of nanoparticles.

**SECTION –B**

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

5. Explain in detail about intra nasal route delivery system.
6. Discuss the various types and preparation of liposomes.
7. Write a note on gene therapy of cancer.
8. Preparation and application of niosomes.

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