

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[LO 935]

MAY 2019

Sub. Code: 2935

M.PHARM. DEGREE EXAMINATION
(PCI New regulations 2016)
SEMESTER-II
BRANCH-I – PHARMACEUTICS – MPH
PAPER I – MOLECULAR PHARMACEUTICS
(NANO TECH AND TARGETED DDS)

Q.P. Code : 262935

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Describe the methods of active and passive targeting using particulate carriers. Describe the use of liposomes for drug targeting.
2. Explain in detail about types, preparation and evaluation of Intra Nasal Route Delivery System.

II. Write notes on:

(7 x 5 = 35)

1. Monoclonal Antibodies.
2. Aerosols.
3. Preparation and application of niosomes.
4. Write a note on Aptamers.
5. Gene therapy for cancer.
6. Preparation and evaluation of Microspheres.
7. Brain specific delivery.
