

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

[M.PHARM 0524]

**MAY 2024
(APRIL 2024 EXAM SESSION)**

Sub. Code: 2935

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

Q.P. Code: 262935

Time: Three hours

Answer ALL Questions

Maximum: 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Explain in detail about liposomal drug delivery system in drug targeting to a specific site.
2. Describe in detail about gene expression system.

II. Write notes on:

(7 x 5 = 35)

1. Illustrate the methods for the preparation of nanoparticles.
2. Write a note on aptamers.
3. Describe briefly about tumor targeting.
4. Discuss about preparation and evaluation of microspheres.
5. Give a note on aerosols.
6. Brain specific delivery of drugs.
7. Give an account of aquasomes.
