

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

[M.PHARM 0922]

**SEPTEMBER 2022
(APRIL 2022 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. Discuss in detail about delivery system in drug targeting to the brain.
2. Explain in detail about the types of containers, propellants, preparation and evaluation of aerosols.

II. Write notes on:

(7 x 5 = 35)

1. Coacervation and phase separation technique.
2. Liposomal Gene Delivery System.
3. Brief note on electrosomes.
4. Aptamers.
5. Write a note on gene expression system.
6. Applications of Monoclonal Antibodies.
7. Intranasal delivery systems.
