

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

[M.PHARM 1223]

**DECEMBER 2023
(OCTOBER 2023 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 liposomal formulations for drug targeting and evaluation of liposomes.
2. a) Describe the quality control tests for Pharmaceutical aerosols.
b) Explain the propellants used in Aerosols.

II. Write notes on:

(7 x 5 = 35)

1. Describe in brief about pulmonary drug delivery system.
2. Phytosomes.
3. Aptamers as drug futures.
4. Explain in detail about Gene therapy.
5. Discuss in detail about Brain targeted drug delivery system.
6. Microencapsulation by co acervation phase separation technique.
7. Enumerate the preparation of Nanoparticulate drug delivery system.
