

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

[LP 935]

NOVEMBER 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 : 263935

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail about liposomal drug delivery system.
2. Explain about two phase and three phase aerosol systems. Explain various filling techniques. Give the quality control tests for aerosols.

II. Write notes on:

(7 x 5 = 35)

1. Give the principle of microencapsulation. Explain any one technique adopted for bringing about microencapsulation.
2. Explain briefly pulmonary drug delivery system.
3. Preparation and applications of Aquasomes.
4. Niosomes.
5. Gene therapy.
6. Nanoparticles.
7. Drug Targeting.
