

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

[LQ 0121]

JANUARY 2021

Sub. Code: 2935

(APRIL 2020 EXAM SESSION)

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 the basic concept of target oriented drug delivery systems and write about liposomes as particulate DDS in drug targeting to a specific site.
2. Describe about Two & Three phase aerosol systems. Explain in detail about quality control tests for aerosols.

II. Write notes on:

(7 x 5 = 35)

1. Discuss the various Microencapsulation techniques.
2. Describe in brief about pulmonary drug delivery system.
3. Discuss about the preparation of Monoclonal antibody.
4. Formulation of Niosomes.
5. Gene therapy.
6. Explain in detail about aptamers.
7. Explain the various approaches for Drug Targeting.
