

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

[M.PHARM 0524]

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

Sub. Code: 2932

**M.PHARMACY DEGREE EXAMINATION
SEMESTER - I (PCI New Regulations 2016)
PHARMACEUTICS - MPH
PAPER II – DRUG DELIVERY SYSTEM**

Q.P. Code: 262932

Time: Three hours

Answer ALL Questions

Maximum: 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss in detail activation modulated controlled drug delivery systems.
2. Explain the formulation and evaluation of delivery systems of proteins and peptides.

II. Write notes on:

(7 x 5 = 35)

1. Write briefly on barriers for protein and peptide drugs.
2. Write a note on penetration enhancer for transdermal patch.
3. Describe the advantages and disadvantages of sustained release formulations.
4. Outline on Telepharmacy.
5. Write a note on enzyme activated drug delivery systems.
6. Define polymers and classify the polymers.
7. How to solve the barriers of drug permeation in ocular drug delivery?
