

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

[MPHARM 0122]

**JANUARY 2022
(APRIL 2021 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. Describe in detail the formulation aspects of transdermal DDS. Write a note on evaluation tests.
2. Describe formulations of mechanically activated, pH activated and Osmotic activated rate controlled Drug Delivery system.

II. Write notes on:

(7 x 5 = 35)

1. Biodegradable polymers.
2. Vaccine delivery systems.
3. Customized Drug Delivery System.
4. Evaluation of delivery system of proteins.
5. Barriers of drug permeation in Ocular Drug Delivery system.
6. Principle of muco adhesion in Buccal drug delivery system.
7. Advantages and Disadvantages of Gastro Retentive drug delivery system.
