

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

[M.PHARM 1223]

**DECEMBER 2023
(OCTOBER 2023 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 the principle, dosage form, formulation and evaluation of mucoadhesive drug delivery.
2. Explain the formulation and evaluation of osmotic drug delivery system.

II. Write notes on:

(7 x 5 = 35)

1. Biological factors affecting controlled release preparations.
2. Gastro retentive drug delivery.
3. Occuserts.
4. Preparation of transdermal patches.
5. Feedback regulated drug delivery.
6. Classification of polymers used in drug delivery.
7. Protein drug delivery.
