

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

[LO 932]

MAY 2019

Sub. Code: 2932

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

Q.P. Code : 262932

Time : Three hours

Maximum : 75 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss the classification and applications of polymers in drug delivery.
2. Explain about osmotic activated drug delivery system.

II. Write notes on:

(7 x 5 = 35)

1. pH activated drug delivery systems.
2. Penetration enhancers in transdermal drug delivery systems.
3. Transdermal drug delivery of vaccines.
4. Customized drug delivery systems.
5. Barriers of drug permeation in ocular drug delivery.
6. Merits and demerits buccal drug delivery systems.
7. Elementary osmotic pump.
