

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

[LQ 0121]

**JANUARY 2021**

**Sub. Code: 2932**

**(APRIL 2020 EXAM SESSION)**

**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 principle involved and formulation of gastro retentive drug delivery system.
2. Explain the physiochemical and biological factors influencing the design of sustained release dosage forms.

**II. Write notes on:**

**(7 x 5 = 35)**

1. Personalized medicines.
2. Biodegradable polymers.
3. Buccal strips.
4. Activation modulated drug delivery.
5. Occuserts.
6. Formulation of delivery systems for vaccines.
7. Evaluation of transdermal patches.

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