

(2)

- Q.6 Discus Protein Delivery system? Write about barriers for protein delivery or formulation and Evaluation of delivery systems?
- Q.7 Classify and explain in detail about polymers. Write the applications of polymers in controlled drug delivery systems
- Q.8 Write short notes (Any Two)
- (a) Peptide Delivery
  - (b) Gastro-Retentive Drug Delivery Systems
  - (c) Ocular Drug Delivery Systems
  - (d) Transdermal Drug Delivery Systems

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[Total No. of Questions: 8 ]

[Total No. of Printed Pages : 2]

Enroll No.....

**MPH-102T**

**M. Pharm. (P'Ceutics)–I Semester (Reg./Ex)**

**Examination, March-2021**

**Drug Delivery System**

**Time: Three Hours**

**Maximum Marks:75**

Note: Attempt any five questions. (Each question carries equal marks)

- Q.1 Explain Sustained Release (SR) formulations? Write their basic concepts, factors influencing, properties and application of Dosage Forms?
- Q.2 What is Buccal Drug Delivery Systems? Write Principle of muco adhesion, advantages and disadvantages, Mechanism of drug permeation?
- Q.3 Describe the various formulation approaches for delivery of proteins and macromolecules.
- Q.4 Enumerate the characteristics of drugs to be formulated as Transdermal Drug Delivery System. Explain formulation and evaluation in detail.
- Q.5 Explain the concepts and design of rate controlled drug delivery systems.