

Roll No.: _____

Enrollment No. _____

PARUL UNIVERSITY

PARUL INSTITUTE OF PHARMACY

M.PHARM FIRST SEMESTER · FIRST INTERNAL EXAMINATION: 2018-19

Subject Name: Drug Delivery System

Subject Code: MPH102T

Date: 18/09/18

Time: 10:00 am to 11:30 am

Total Marks: 30

Instructions:

1. Figures to the right indicate full marks.
2. Make suitable assumptions wherever necessary.

Q.1 Long Answers: (Any One)

- (1) Differentiate between sustained release and controlled release drug delivery system. Explain factors influencing controlled release of drug. **10**
- (2) Classify rate controlled drug delivery system. Explain any three approaches for drug delivery systems. **10**

Q.2 Short Answers: (Any Four)

- (1) Discuss principles of mucoadhesion and mechanisms of permeation for buccal drug delivery system. **05**
- (2) Explain effervescent floating drug delivery system in detail. **05**
- (3) Discuss actors and evaluations of gastroretentive drug delivery system. **05**
- (4) Classify polymers. Discuss properties of polymers. **05**
- (5) Describe Dosage Forms for Personalized medicine. **05**
