

Roll No.: _____

Enrollment No. _____

PARUL UNIVERSITY

PARUL INSTITUTE OF PHARMACY

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

Subject Name: Modern Pharmaceutics

Subject Code: (MPH103T)

Time: 10:00 am to 11:30 am

Date: 19/09/18

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) Write short note on “Full and Fractional Factorial Design” with layout and description. **10**
- (2) Explain in detail about Process Validation. **10**

Q.2 Short Answers: (Any Four)

- (1) Explain following terminologies with reference to D.O.E.: **05**
i) Interaction ii) Confounding Effects iii) Factors
- (2) Describe self-emulsifying drug delivery system. **05**
- (3) Differentiate about Small Volume Parenteral and Large Volume Parenteral dosage forms. **05**
- (4) Enlist different types of Depot formulation as advanced parenteral dosage forms. **05**
- (5) Draw a layout of Plackette Burmann Design with salient features. **05**
