

Exam Date & Time: 14-Mar-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Manipal Academy of Higher Education, Manipal MPharm Theory End-Semester Examinations.

Modern Pharmaceutics [PCE-MPH103T]

Marks: 75

Duration: 180 mins.

SECTION - A

Answer all the questions.

Answer the following (10 marks x 5 = 50 marks)

- 1) Define and classify emulsion. Enlist the various tests to identify emulsion. Explain any two tests. (10)
- 2) Enlist 10 policies of cGMP & explain any 3 policies. (10)
- 3) Explain any three solubility enhancement techniques. (10)
- 4) Discuss Higuchi and Korsmeyer Peppas kinetic models. (10)
- 5) . Explain various types of equipment qualification. (10)

SECTION - B

Answer all the questions.

Answer the following (5 marks x 5 = 25 marks)

- 6) Enlist the quality control tests for parenterals. Explain any one. (5)
- 7) Explain the steps in sales forecasting in brief. (5)
- 8) What is reflection, expansion and contraction in simplex method of optimization? (5)

- 9) Write short notes on circumscribed central composite design. (5)
- 10) What is revalidation and when it needs to be performed? (5)

-----End-----