

Exam Date & Time: 19-Dec-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 - S2]

Marks: 75

Duration: 180 mins.

SECTION - A

Answer all the questions.

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

- 1) Enlist the various tests to check drug excipient compatibility. Explain any three. (10)
- 2) What is Inventory control? Explain ABC and EOQ methods of Inventory control. (10)
- 3) Explain the effects of compression on a powder bed with a diagram. Describe compaction profiles. (10)
- 4) Discuss the process validation of uncoated tablets. (10)
- 5) Explain model independent approach to compare dissolution profiles. (10)

SECTION - B

Answer all the questions.

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

- 6) . Explain the physical stability of suspension. (5)
- 7) Explain Material Management in regard to Pharmaceutical industry. (5)
- 8) Discuss optimization parameters. (5)
- 9) What is a simplex? How is it used for optimization? (5)
- 10) Discuss OQ and PQ in equipment qualification. (5)

-----End-----

