

Roll No _____

**Re-appear, EXAMINATION
Dec, 2024**

Course Code: MPH103T

Course Name: Modern Pharmaceutics

Programme Name: M.Pharm



Time: 3 Hours

Maximum Marks: 50

Instructions: The question paper consists of 07 questions out of which any Five has to be attempted. All the questions are divided into two parts – 'A' and 'B'. A' part is of 8 marks and 'B' part carries 7 marks for each question respectively.

Section A (15 x 5 = 75 Marks)

1	A. What are the objectives of Pre-Formulation and its application?	CO1
	B. Explain the manufacturing of Small Volume Parenteral.	CO2
2	A. Explain Physical characterization and Solubility analysis with special reference to Pre-formulation.	CO1
	B. Discuss the Stability testing and its associated application.	CO5
3	A. Explain drug-excipient interaction.	CO1
	B. Describe Factorial design and its application.	CO4
4	A. Explain Budget and Cost control in Pharmaceutical premise in compliance to GMP.	CO3
	B. Write a note on Validation of Equipment.	CO4
5	A. Explain Pharmacokinetic parameters in consideration to formulation development.	CO2
	B. Write a note on Material management and Production Organization.	CO3
6	A. Explain Physics of tablet compression.	CO2
	B. Explain Statistical designs used in Optimization.	CO4
7	A. Discuss the objectives and policies of Good manufacturing practices.	CO3
	B. Discuss the kinetics of stability and importance of stability testing.	CO5