

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2022

Subject Name: Modern Pharmaceutics

Subject Code: MPH103T

Branch: M.Pharm (Pharmaceutics)

Semester: 1

Date: 15/03/2023

Time: 10:30 To 01:30

Marks: 75

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-I	Answer the Following:	(20)
	1. What is process validation?	02
	2. Briefly explain Compaction.	02
	3. What is Installation qualification?	02
	4. What is compression?	02
	5. Briefly explain Consolidation.	02
	6. Briefly explain t-test/ Student t-test.	02
	7. Objective of cGMP.	02
	8. What is Standard Deviation?	02
	9. Briefly explain ANOVA.	02
	10. What is Diffusion?	02
Q-II	Attempt any two:	(20)
	1. Define SMEDDS. Write composition, preformulation parameters and Formulation of SMEDDS.	10
	2. Explain formulation and Evaluation of Small volume and Large volume parentals.	10
	3. Enlist factor affecting compression of tablet and explain them.	10
Q-III	Attempt any seven:	(35)
	1. Write a note on cGMP guidelines according to Schedule M.	05
	2. Explain Drug Excipient Compatibility study.	05
	3. Enlist types of experimental designs. Explain Box-Behnken Designs.	05
	4. Explain Total Quality Management.	05
	5. Write a note on Objectives of Preformulation.	05
	6. Write a note on Study of Consolidation Parameters.	05
	7. Write a note on Industrial Management.	05
	8. Discuss scope and applications of validation	05
	9. Discuss dissimilarity and similarity factors.	05

