Seat No.:		Enrolment No.	
		GUJARAT TECHNOLOGICAL UNIVERSITY	
~ .		M. PHARM SEMESTER- II EXAMINATION - SUMMER 2016	
Subject Code: 1921502 Date: 21/0			
•	•	Name: GMP, GLP & Validation	
Time: 10:30 AM To 1:30 PM Instructions:			
1. 2.	Atte Mal	empt any five questions. Ke suitable assumptions wherever necessary. It is to the right indicate full marks.	
Q.1	(a) (b) (c)	Explain the types of process validation. Explain in detail manufacturing requirements for solid dosage form. Explain in detail Good distribution Practice.	06 05 05
Q.2	(a) (b) (c)	Write a short note on Quality audit. Explain batch release document for finished products. Explain various types of Recall. Explain Various GMP guidelines for recall related Procedures.	06 05 05
Q.3	(a) (b) (c)	Explain GMP guidelines for Packaging and labeling operation. Explain roles and responsibilities of QA and QC in pharmaceutical industries. Write a note on responsibilities of personnel in pharmaceutical organization.	06 05 05
Q.4	(a) (b) (c)	Explain in detail SOP for Compression and Cleaning operations in pharmceutical industries. Explain the process of clean in place and sterilize in place techniques. Give a note on GMP guidelines for selection of vendors of raw materials.	06 05 05
Q.5	(a) (b)	Explain Various Parameters for analytical method validation. Write a short note on GLP.	06 05

05

06

10

16

Give brief account on Master Formula record.

Explain in detail Computer System Validation.

3. Liquid oral dosage forms process validation.

Validation of dissolution test apparatus.
 Validation of UV-Visible spectroscopy.

1. Parenteral process validation

2. Cleaning validation

1. Validation of HPLC.

Write short notes (any two)

Write a note any two

(c)

(a)

(b)

(a)

Q. 6

Q.7