GUJARAT TECHNOLOGICAL UNIVERSITY M. Pharm. – SEMESTER – II • EXAMINATION – SUMMER • 2015 Subject Code: 1921502 Date: 16-05-2015 Subject Name: GMP, GLP and Validation Times 10-20 are 01-20 are 01-2	
Subject Name: GMP, GLP and Validation	
,	
T: 10.20 01.20 00	
Time: 10:30 am - 01:30 pm Total Marks: 80	
Instructions:	
 Attempt any five questions. Make suitable assumptions wherever necessary. 	
3. Figures to the right indicate full marks.	
Q.1 (a) Define validation. Discuss its advantages.	06
(b) Explain line clearance in detail.	05
(c) Write about retrospective & revalidation.	05
Q.2 Write short notes on following:	
(a) Validation of HPLC	08
(b) Validation of Dissolution test apparatus	08
Q.3 (a) Write about design, construction, maintenance and sanitation of warehousing.	06
(b) Write a note on Good Distribution Practice.(c) Write down the SOP of compression and coating operation.	05 05
Q.4 (a) Write on cleaning validation in respect of equipment's and facilities.(b) Describe the process validation of liquid orals.	08 08
•	
Q.5 (a) Explain the importance and role of Quality Control in Pharma industry.(b) Explain the control on raw materials and finished dosage forms.	06 05
(c) Write the in-process controls required in manufacture of sterile dosage forms.	05
Q. 6 (a) Describe Location, design, Plant Layout and Construction of premise of	06
pharmaceutical manufacturing unit.	00
(b) Write a brief note on audits of quality control facilities.	05
(c) Write about reconciliation of labels, cartons and other packaging materials.	05
Q.7 (a) Write short note on Good Laboratory Practice.	06
(b) Explain Installation Qualification, Operational Qualification and Performance	05
Qualification. (c) What are complaints? How are they evaluated?	05
