GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharm. - SEMESTER-1 • EXAMINATION - SUMMER -2018

Subject Code: 2210003	Date: 05/05/2018
Subject Name: Pharmaceutical Analysis-I	
Time: 02:30 PM TO 05:30 PM	Total Marks: 80

Instructions:

1. Attempt any five questions.

- Make suitable assumptions wherever necessary.
 Figures to the right indicate full marks.

Q.1	(a) (b) (c)	Write a note on Law of mass action in detail. What is hydrolysis? Explain Henderson-Hesselbach equation in detail. Write note on acid-base indicators.	06 05 05
Q.2	(a) (b) (c)	Describe a note on theory of redox titrations. Explain a note on Vollhard method. Write note on redox indicators.	06 05 05
Q.3	(a) (b) (c)	Describe a note on gravimetric analysis. Explain a note on Iodometry titration. Write a note on diazotization titration.	06 05 05
Q.4	(a) (b) (c)	Define validation. Enlist validation parameters and expain any two. Write a note on sampling techniques. Define error, classify error and how will you minimize error.	06 05 05
Q.5	(a) (b) (c)	Write note on Mohrs method. Describe in detail about Karlfischer titrations. Give brief note on Kjeldahl method.	06 05 05
Q. 6	(a) (b) (c)	Write short note on p ^M Indicator. Give note on masking and demasking agent in complexometric titration. Write a note on different types on complexometric titrations.	06 05 05
Q.7	(a) (b) (c)	Write a note on Fajans method. Discuss differentiating solvents and leveling solvents. Give detail note on non aqueous titration.	06 05 05
