

www.FirstRanker.com

www.FirstRanker.com

Seat No.:		Enrolment No.	
		<b>GUJARAT TECHNOLOGICAL UNIVERSITY</b> B.PHARM – SEMESTER – 3- EXAMINATION –WINTER - 2018	
Sub Tim	ject N e:10: ruction 1. 2.	Code:230004Date: 12/12/2018Name: Pharmaceutical Analysis - ITotal Marks: 8030 AM TO 01:30 PMTotal Marks: 80ns:Attempt any five questions.Attempt any five questions.Make Suitable assumptions wherever necessary.Figures to the right indicate full marks.	
Q.1	(a) (b) (c)	<ul><li>What is analytical method validation? Enlist validation parameter. Discuss any two parameters in detail.</li><li>Define hydrolysis and Derive equation for finding pH of aqueous solution of salt of strong acid and weak base.</li><li>Describe sampling techniques.</li></ul>	06 05 05
Q.2	(a) (b) (c)	What is error? Write types of errors and how they minimized. Differentiate between QA and QC. Give a detailed account of Oxygen combustion flask method.	06 05 05
Q.3	(a) (b) (c)	Explain the terms: (i) Co-precipitation (ii) Post precipitation (iii) Solubility product Discuss in detail about Diazotization nitrite titration. Write a note on Karl-Fischer titration.	06 05 05
Q.4	(a) (b) (c)	Write a short note on Common ion effect and ionic product of water. Write a note on pM indicators. What is gravimetric analysis? Enlist the steps involved in gravimetric analysis.	06 05 05
Q.5	(a) (b) (c)	Explain redox indicators in detail. What is buffer? Derive Henderson-Hasselbach equation. Explain Kjeldahl method for determination of nitrogen.	06 05 05
Q. 6	(a) (b)	<ul> <li>Write a brief note on types of non aqueous solvents and leveling and differentiating effect of solvent.</li> <li>Give the difference between followings with suitable example <ul> <li>(1) Iodometric titration and Iodimetric titration</li> <li>(2) Masking agent and Demasking agent</li> </ul> </li> </ul>	06 05 05
Q.7	(c) (a)	<ul> <li>Explain law of mass action.</li> <li>Comments: (1) Nitrobenzene is used in Volhard's method <ul> <li>(2) KMnO<sub>4</sub> is not a primary standard compound.</li> <li>(3) Electrolyte solution is used for wash precipitate.</li> </ul> </li> </ul>	05 06
	(b) (c)	Write explanatory note on: Continuous extraction. Discuss in detail about Fajan's method.	05 05

\*\*\*\*\*\*