Seat	No.: _	No.: Enrolment No		
		GUJARAT TECHNOLOGICAL UNIVERSITY M. Pharm. – SEMESTER – I • EXAMINATION – WINTER • 2014		
Sub	ject (Code: 910107	Date: 07-01-2015	
Sub	ject N	Name: Pharmaceutical Analysis - I		
		:30 am - 01:30 pm	Total Marks: 80	
Instr	uction			
		Attempt any five questions. Make suitable assumptions wherever necessary.		
		Figures to the right indicate full marks.		
		g 00 00 v0g0u		
Q.1	(a)			06
	(b) (c)	Write a note on calibration and validation of UV- V: How will you validate and calibrate IR spectrophoto		05 05
		•		
Q.2	(a) (b)	Describe application of Ion selective electrode in dru Discuss applications of instrumental methods of ana	•	06 05
	(0)	drugs.	tysis in the development of	0.5
	(c)	Discuss analytical method validation. Enlist different parameters and discuss 0		
		any two.		
Q.3	(a)	Write note on methods used for estimation of vitamin E.		06
	(b)	Describe principle involved in the analysis of proges	sterone in formulations.	05
	(c)	Write a note on estimation of alkaloids of cinchona.		05
Q.4	(a)	Describe principles involved in estimation of glycos		06
	(b)	Discuss method involved in the elemental estimation Write principles involved in elemental analysis of su	*	05 05
	(c)	•	-	
Q.5	(a)	Give principles for quantitative determination of am		06 05
	(b)	Describe barbiturates in short and discuss techniques them.	s used in estimation of	US
	(c)	Write methods used in estimation of aldehydes and a	amines.	05
Q. 6	(a)	Describe principles and procedure involved in the us	se of Folin-Ciocalteau	06
	(4)	reagent in pharmaceutical analysis.		00
	(b)	Discuss the use of 1,2-Naptho Quinone 4- Sulphona	te in pharmaceutical	05
	(a)	analysis with appropriate examples. How can you estimate the drug using 3-methyl-2- be	onzothiozolino hydrozono	05
	(c)	(MBTH)?	enzounazonne nydrazone	US
0.7	(a)	Enumerate methods used for analysis of excipients i	n colid states	06
Q.7	(a) (b)	Write a note on particle size analysis.	n sona states.	05
	(c)	Write a note on principle involved in estimation of s	ulpha drugs.	05
