sea	at INO.	Enrolment No  GUJARAT TECHNOLOGICAL UNIVERSITY	
~		B. Pharm. – SEMESTER – I • EXAMINATION – WINTER • 2015	
	U	t Code: 210003 Date: 31-12-2015	
	-	t Name: Pharmaceutical Chemistry – I	
		10:30 am - 01:30 pm Total Marks: 80	
Ins	struct 1	ions: . Attempt any five questions.	
	2	. Make suitable assumptions wherever necessary Figures to the right indicate full marks.	
Q.1	(a)	Define Impurities. Write note on sources of impurities in pharmaceutical preparations	06
	(b) (c)	Differentiate assay and limit test. Describe limit test of Arsenic with diagram. Write note on Dental products.	05 05
Q.2	(a) (b)	Classify antimicrobial agents with example and discuss its mechanism of action Write note on storage and handling of Radiopharmaceuticals.	06
	(c)	Explain working of GM counter. Give application of radiopharmaceuticals in medicine.	05
Q.3	(a) (b)	Enumerate types of water and Write note on purified water and water for Injection Explain the term antidote and poison. Classify antidotes and write note on cyanide	06 05
	(c)	poisoning. Write brief note on Indian Pharmacopeia.	05
Q.4	(a)	Define antacid. Give its ideal requirement and classify them with examples. Write note on combination antacid preparation	06
	(b)	Explain briefly the word excipient. Enumerate different types of excipient used in pharmaceutical preparation, and write note on preservative used in pharmaceutical industry.	05
	(c)	Write a note on ORS.	05
Q.5	(a)	Classify various gastrointestinal agents with examples. Write note on Saline cathartic.	06
	(b)	Discuss physiological acid-base balance and give a note on sodium bicarbonate as an electrolyte used in acid base therapy.	05
	(c)	Discuss biological importance of calcium.	05
Q. 6	(a)	Give method of preparation and category of following compounds  1. Ammonium Chloride  2. Siver nitrate  3. Potassium permanganate	06
	(b)	Write assay principle and chemical reaction of following:  Borax and Zinc oxide	05
	(c)	Give synonyms and uses of the following 1. Common Salt 2. Rochelle salt 3. Green vitriol 4. Chlorinated lime 5. Precipitated chalk	05
Q.7	(a)	Write note on antioxidants	06

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(b) Write note trace elements(c) Write note on Gutzeit test

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