Seat No.:	Enrolment No.
Scat 110	Lindingit 110.

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharmacy - SEMESTER-I - EXAMINATION - WINTER-2016

Subject Code:210003 Date:30/01/2017

Subject Name: Pharmaceutical Chemistry-I

Time: 10.30 AM to 01.30 PM Total Marks: 80

Instructions:

1.	Attempt	anv	five	questions.
	ATTICITIES	CLL Y	1110	questions.

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

Q.1	(a)	Write the chemical formula for the followings: 1. Baking soda 2. Precipitated chalk. 3. Lunar caustic 4. Rochelle salt 5. Tartar emetic 6. Graham's salt	06			
	(b)	Define following terms with illustration 1. Respiratory stimulant 2. Sedative 3. Suspending agent 4. Cathartics 5. Pharmaceutical aids	05 05			
	(c)	Describe the preparation, properties, assay of Potassium Permanganate.				
Q.2	(a)	What do you mean by impurities? Explain the importance of limit test in Pharmaceutical Preparation. Explain the principle of limit test for Iron.				
	(b) (c)	Write a detailed note on sources of impurities in pharmaceuticals. Write a note on Gutzeit test.				
Q.3	(a)	Define antioxidants. Give preparation, properties and assay method of any one antioxidant.	06			
	(b) (c)	Write in detail the assay and uses of Hydrogen Peroxide. Write a note on cyanide poisoning and its treatment.				
Q.4	(a) (b) (c)	How the radioactivity measured? Write a note on Gieger Muller counter. What are topical agents? Classify topical agents giving examples. Define buffers. Write the mechanism of buffer action.				
Q.5	(a) (b) (c)	Write note on Respiratory stimulants and Expectorants. Define antidote. Give properties and preparation of Sodium Nitrite. Write about various haematinic preparations.				
Q. 6	(a) (b) (c)	1				
Q.7	(a) (b) (c)	Write a note on purified water and water for injection What is hardness of water? What is potable water? Define antacids. Give the requirements for an ideal antacid.	06 05 05			
