Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY B.PHARM - SEMESTER- 1 EXAMINATION - WINTER -2024

Subject Code: BP104TP			Date: 17/02/20	Date: 17/02/2025	
	e: 10	Name: Pharmaceutical Inorganic Chemistry 0.30 AM TO 01.30 PM	Total Marks:	80	
 Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 					
Q-1	(A) (B) (C)	Define acid & base using different theories. Explain the limit test of Lead. Define the following terms: (1) Impurity (2) Buffer (3) (4) Antidote (5) Emetics	Astringent	06 05 05	
Q-2	(A) (B) (C)	What is Radioactive compound? Give the properties of α , β , & γ radiations. What is the role of haematinics? Write a note on Ferrous gluconate. Define & classify gastro intestinal agents. Write preparation, properties and uses of Ammonium chloride.			
Q-3	(A) (B) (C)	Enlist functions of major physiological ions. Explain physiological acid-base balance. Define: Half-life & Radio isotopes. Enlist the radioactive compounds used in the treatment. Enlist applications of radiopharmaceuticals. Explain the assay of (1) Ferrous sulphate & (2) Sodium carbonate.		06 05 05	
Q-4	(A) (B) (C)	Write a detailed note on Cathartics, with special reference to MgSO ₄ . Write a brief note on Zinc sulphate & Potash alum. Explain the assay of Calcium gluconate.		06 05 05	
Q-5	(A) (B) (C)	What is the history of Pharmacopoeia? Enlist types & Explain sources of impurities. What is dentifrices & Desensitizing agents? What is the role of fluoride in the treatment of dental caries? Write a detailed note on Replacement therapy.		06 05 05	
Q-6	(A) (B) (C)	Explain the limit test of Iron.		06 05 05	
Q-7	(A) (B) (C)	Classify Antacids. Why antacid combination is more us detailed note on Al(OH) ₃ gel. Explain modified limit test for Chloride and Sulphate. Explain the role of Sodium nitrite & Sodium thiosulpha with suitable example.		06 05 05	