

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.Ph. SEMESTER-I EXAMINATION – WINTER -2022**

**Subject Code:BP104TP****Date: 06/04/2023****Subject Name: Pharmaceutical Inorganic Chemistry****Time: 10:30am to 01:30pm****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

<b>Q.1</b>	(a) Discuss sources of impurities.	<b>06</b>
	(b) Discuss principle of limit test of chloride and sulphate.	<b>05</b>
	(c) Write limit test for arsenic.	<b>05</b>
<b>Q.2</b>	(a) Explain various acid base theories.	<b>06</b>
	(b) Explain electrolyte combination therapy.	<b>05</b>
	(c) Write a note on Pharmacopeia. Brief on Indian Pharmacopeia.	<b>05</b>
<b>Q.3</b>	(a) What are antimicrobial agents? Classify and give mechanism of action of antimicrobial agents.	<b>06</b>
	(b) Define antacids. Give ideal properties of antacids.	<b>05</b>
	(c) Write a note on Oral Rehydration Salt.	<b>05</b>
<b>Q.4</b>	(a) What are haematinics? Write preparation, properties and uses of ferrous sulphate.	<b>06</b>
	(b) Explain anticaries agents.	<b>05</b>
	(c) Discuss iodine and its preparation as a antimicrobial agents.	<b>05</b>
<b>Q.5</b>	(a) What is radioactivity? Discuss methods for measurement of radioactivity.	<b>06</b>
	(b) Discuss application of radiopharmaceuticals.	<b>05</b>
	(c) Explain the term: 1) cathartics 2) expectorant	<b>05</b>
<b>Q. 6</b>	(a) Write a note on antidote.	<b>06</b>
	(b) Write assay of 1) ammonium chloride 2) hydrogen peroxide	<b>05</b>
	(c) Write a note on cyanide poisoning and its treatment.	<b>05</b>
<b>Q.7</b>	(a) Write a brief note on expectorant and emetics.	<b>06</b>
	(b) Explain handling and storage of radiopharmaceuticals.	<b>05</b>
	(c) Discuss biological significance of calcium.	<b>05</b>

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