Paper ID : 250431

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Subject Code: BP104T

Roll No: | | | | | | | | | | | | |

BPHARM

(SEM I) THEORY EXAMINATION 2024-25

PHARMACEUTICAL INORGANIC CHEMISTRY

TIME: 3 HRS **M.MARKS: 75**

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. **10 x 2 = 20**

a.	What is the significance of radioactivity?
b.	Explain the composition of Zinc eugenol cement.
c.	What are the uses of astringents?
d.	Discuss the value of limit tests in impurity testing.
e.	List examples of dentifrices.
f.	Write the chemical formula and uses of sodium thiosulfate.
g.	Define the chemical nature and uses of activated charcoal.
h.	What is the composition of buffered isotonic solutions?
i.	Paraphrase the ideal properties of antacids.
j.	Enlist two examples of Hematinics.

SECTION B

2. Attempt any *two* parts of the following: **2 x 10 = 20**

a.	Explain the procedure of Mohr's method and Volhard's method with examples.
b.	Discuss the methods used for measurement of radioactivity, storage conditions, precautions & pharmaceutical application of Sodium iodide I_{131}.
c.	What are acidifiers? Give methods of preparation, properties, and uses of Ammonium Chloride.

SECTION C

3. Attempt any *five* parts of the following: **7 x 5 = 35**

a.	Give a note on Oral Rehydration Salt (ORS) with examples.
b.	Describe the effects of Poison and Antidote with examples.
c.	What are emetics? Give the methods that are used for the preparation of Copper sulphate.
d.	Discuss the limit test used for chloride and sulphate.
e.	Explain the methods used for measurement and adjustment of tonicity.
f.	Discuss the type of antimicrobials with a note on the action of Hydrogen Peroxide.
g.	What are the sources and types of impurities?