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BPHARM
(SEM I) THEORY EXAMINATION 2021-22
PHARMACEUTICAL INORGANIC CHEMISTRY– THEORY

Time: 3 Hours**Total 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.	Write the principle involved in limit test of Sulphate.
b.	Discuss the name of test apparatus used in arsenic limit test.
c.	Write the method for measurement of isotonicity.
d.	Summarize WHO composition of ORS solution.
e.	What is achlorhydria?
f.	Classify inorganic anti-microbial agents.
g.	Define Astringents along with suitable examples.
h.	Write properties and uses of Sodium potassium tartrate.
i.	What is radioactivity? Give the unit of radioactivity.
j.	What is half-life of radioactive elements?

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

a.	Describe the term impurity. Explain various sources of impurities in pharmaceutical substances.
b.	Illustrate anticaries agents. Give the method of preparation, reaction, assay and uses of Sodium chloride and Calcium gluconate
c.	Explain antacid. Describe the properties, assay, and uses of sodium bicarbonate as an antacid.

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

a.	Discuss the principle, reaction and procedure involved in limit test for Arsenic.
b.	Illustrate electrolyte. Write composition of important physiological ion. Describe the function of chloride, phosphate, and bicarbonate as major electrolytes.
c.	Illustrate the preparations, properties, assay, and uses of compound used in Cyndie poisoning.
d.	Explain the preparation, properties, assay and uses of Hydrogen Peroxide and Chloride lime.
e.	Explain saline cathartics. Give the properties, assay, and uses of magnesium sulphate.
f.	Breakdown the construction, working and principle of Geiger-Muller counter with neat and labelled diagram.
g.	Explain the precautions to be taken during handling and storage of radioactive substances