PAPER ID-411515

Subject Code: BP104T

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

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.	What is pharmacopoeia? Enlist the different Pharmacopoeia.
b.	State the principle involved in limit test of chloride.
c.	Discuss the limitation of Arrhenius theory.
d.	State the ideal properties of buffer solutions.
e.	What is achlorhydria?
f.	Give function of ORS.
g.	Define Expectorants with suitable examples.
h.	Illustrate Astringents along with suitable examples.
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.	Define the term impurity. Discuss about various sources of impurities in pharmaceutical substances.
b.	Discuss in detail about Arsenic limit test along with apparatus used in arsenic limit test.
c.	Illustrate the method of preparations, properties, assay, and uses of Ammonium chloride.

SECTION C

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

a.	Discuss the physiological role and disease condition due to imbalance of calcium in body.
b.	Outline anticaries agents. Explain the role of fluoride in dental caries.
c.	Classify cathartics according to their mechanism of action with suitable examples.
d.	Write the properties, storage conditions and uses of potassium permanganate and Boric acid.
e.	What are Haematinics? Explain preparations, properties, assay and uses of ferrous sulphate.
f.	Outline the precautions to be taken during handling and storage of radioactive substances.
g.	What is antacid? Describe ideal properties and uses of antacids.

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