Sub Code:BP104T

Paper Id: 150104 Roll No:

B. PHARM
(SEM-I) THEORY EXAMINATION 2019-20
PHARMACEUTICAL INORGANIC CHEMISTRY

Time: 3 Hours *Total Marks: 75*

Note: 1. Attempt all Sections.

SECTION A

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

a.	Composition of barium sulphate reagent.
b.	Give the importance of limit test.
c.	Give the mechanism of $KMnO_4$
d.	Write formula of Epsom salt.
e.	Give composition of ORS solution.
f.	Write the method for measurement of isotonicity.
g.	Write formula and uses of green vitriol.
h.	Define astringents with example.
i.	Define isotope and isobar.
j.	Differentiate between alpha, beta and gamma rays.

SECTION B

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

a.	Define expectorant; give the preparation, properties, assay and uses of ammonium chloride.
b.	Give the preparation, properties, assay and uses of Hydrogen Peroxide and Chloride lime.
c.	Write a note on fluoride in the treatment of dental caries with reference to sodium fluoride.

SECTION C

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

a.	Explain the methods of preparation, identification test, and test for purity of Bentonite and Aluminum hydroxide gel.
b.	Explain the properties of an ideal antacid; give the method for preparation of sodium bicarbonate and potassium permanganate.
c.	Define Haematinics. Write preparation and assay of ferrous sulfate.
d.	Write in detail the limit test for iron.
e.	Define radiopharmaceuticals and elaborate their Pharmaceutical applications.
f.	Write a detailed note on various sources of impurities in Pharmaceutical substances.
g.	Explain various methods for adjusting isotonicity.

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