

Sub Code: BP104T

B PHARM (SEM-I)

THEORY EXAMINATION 2021

PHARMACEUTICAL INORGANIC CHEMISTRY

Time: 3 Hours

Total Marks: 75

Note: Attempt all Sections.

SECTION A

**Very Short Answer (Attempt all questions)
10 x 2 = 20**

- a. What do you mean by the term limit test?
- b. Write the name of different types of glass used in handling of pharmaceuticals.
- c. Define dentifrices with suitable examples.
- d. Write the composition of ORS.
- e. Define antioxidants with examples.
- f. Write the precautions that should be taken in handling of radiopharmaceuticals?
- g. Define acidifying agents and write any two uses.
- h. Define cathartics and laxative.
- i. What are the advantages of combination antacids therapy?
- j. What is radio activity and define isotopes?

SECTION B

**Short Answer (Attempt any 5 questions)
5 x 7 = 35**

- a. Write about the types of antidotes and discuss in brief about sodium thiosulphate.

- b. Write in details about limit test of iron.
- c. What are anti-caries agents? Discuss in brief about sodium fluoride.
- d. Discuss in brief about clinical applications of radiopharmaceuticals.
- e. Discuss in brief about methods of measurement of radioactivity.
- f. Write a short note on physiological acid-base balance
- g. Discuss in detail about types of water used in pharmaceutical preparations.

SECTION C

**Long Answer (Attempt any 2 questions)
2 x 10 = 20**

- a. What are the different sources of impurities that can arise in pharmaceutical formulations?
- b. What are anti-infective agents? Discuss their mechanism of action and give a detailed account on Boric acid?
- c. Discuss in brief about calamine and titanium dioxide.