

MODEL QUESTION PAPER

B. Pharm I Semester, March-2025

Subject- Pharmaceutical Inorganic Chemistry [BP-104T];

UNIT 01

- Q. 1.** Enlist various types of impurities in pharmaceuticals.
- Q. 2.** Describe the limit test for Arsenic with labeled diagram.
- Q.3.** Discuss the history and types of pharmacopeia.
- Q.4.** Explain limit test for chloride, sulphate and lead.
- Q.5.** Write the methods of adjusting isotonicity.

UNIT 02

- Q.1.** Describe different theories given for acid and base concept.
- Q.2.** Explain Buffers, it's Mechanism and application in pharmaceutical preparation.
- Q.3.** Describe the electrolytes used in replacement therapy (Sodium chloride)
- Q.4.** Discuss about the Oral Rehydration solution.

UNIT 03

- Q. 1.** Explain saline cathartics with a brief note on Kaolin.
- Q. 2.** What are dentrifices; explain the role of Zinc eugenol cement.
- Q.3** What are Gastrointestinal agents, write the role of Antacids.

UNIT 04

- Q. 1.** Define antimicrobial agent; Classify them according to their mechanism of action.
- Q.2.** Discuss the expectorant with detailed note on NH_4Cl .
- Q.3.** Explain haemetinics with a note on ferrous sulphate.
- Q.4.** Describe poison and antidote with a detailed note on Cyanide poisoning and its treatment.
- Q.5.** Explain Astringent with example.

UNIT 05

- Q.1.** Explain Properties of α , β , γ radiations.
- Q.2.** Discuss Radioisotops and techniques to measure radioactivity.
- Q.3.** Discuss storage conditions, precautions & pharmaceutical application of radioactive substances.

Write short notes on following

1. Iodine and its preparations

2. Physiological acid base balance
3. Buffer equations and buffer capacity
4. modified limit test for Chloride and Sulphate
5. Astringents: Zinc Sulphate