

SHREE H.N SHUKLA INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH



Question Bank

B.PHRAM

(SEMESTER –I)

SUBJECT NAME: PHARMACEUTICA INORGANIC CHEMISTRY

SUBJECT CODE: BP104TP

UNIT 1- PHARMACEUTICAL INORGANIC CHEMISTRY

1	(a) Define limit test. Write a detailed note on limit test for iron. (b) Define impurities. Describe the sources of impurities.
2	Explain the term 'limit test' and write down the limit test for chloride and sulphate.
3	Define the term 'limit test. Discuss limit test for Arsenic in detail.
4	Write a note on Guizet test method.
5	Write a note on Modified limit test of Chloride and Sulphate.

UNIT 2

1.	(a) Discuss physiological acid-base balance. (b) Discuss biological importance of sodium
2.	Write a note on electrolyte used in replacement therapy.
3	(a) Enumerate the various acid and base theories. Explain any two with its limitation 06 in detail. (b) Give an informative note on dental products.
4	Write a detailed note on Acid- base theory.
5	Discuss the factors affecting selection of Pharmaceutical buffers and name any two physiological buffers and two analytical buffers. OR Write a note on electrolyte replenishers, role and importance of Calcium.

UNIT 3

1	(a) Give an account on method of preparation and uses of hydrochloric acid. (b) What are antacids? Outline the ideal requirements of an antacid.
2	(a) Write assay principle and chemical reaction: Boric acid, Zinc sulphate, Potassium permanganate
3	Give synonym of followings. (i) MgSO ₄ (vi) CaCO ₃ (ii) Ringer's solution (vii) Weak iodine solution (iii) Potassium sodium tartrate (viii) Sodium sulphate

	(iv) Caustic soda (ix) Sodium bicarbonate (v) Boric acid (x) Laughing gas.
4	Write a brief about the Expectorant and Cathartics and brief two agents of each category
5	Write a note on antimicrobial agents. OR Give Assay principle and chemical reaction of the following (a) Chlorinated lime (b) Ammonium chloride (c) Sodium Orthophosphate

UNIT 4

1	Define haematinic. Write about various haematinic preparations
2	Give preparation, properties and use of ferrous sulphate OR What is astringent? Give properties and use of $AlCl_3$.
3	Write a note on antidotes. Give difference between Poison and Antidote.
4	Write a note on respiratory stimulants
5	Enumerate various types of antidotes with suitable examples. Give preparation and uses of any two.

UNIT 5

1	How the radioactivity measured? Write a note on GM counter.
2	White down application of Radiopharmaceuticals
3	Write a brief note on Radiopharmaceuticals.
4	Write a note on 'handling and storage of radioactive materials'.
5	Write a note on isotopes and give properties of alpha, beta and gamma radiations.