

**B.PHARM. DEGREE EXAMINATION**  
**PCI Regulation SEMESTER – I**  
**PAPER IV – PHARMACEUTICAL INORGANIC CHEMISTRY**

*Q.P. Code: 562007*

**Time: Three hours**

**Maximum: 75 Marks**

**I. Elaborate on: Answer any TWO questions. (2 x 10 = 20)**

1. Discuss in detail about the apparatus and principle involved in the limit test for Arsenic.
2. Classify Antacid and write a note on acid neutralizing capacity of Aluminium Hydroxide gel. Give the preparation, assay and properties of any one Antacid.
3. a) Explain the role of Electrolytes in acid base balance.  
b) Give the preparation, assay and uses of Sodium chloride.

**II. Write notes on: Answer any SEVEN questions. (7 x 5 = 35)**

1. Define Antidotes and write a note on sodium nitrite.
2. What are the precautions to be followed while handling radioactive materials?
3. Write notes on combination of Antacids.
4. Write the principle involved in the limit test for Iron.
5. Write the preparation, properties, assay and uses on Hydrogen peroxide.
6. Define the terms with examples.  
a) Antacid b) Astringent c) Laxative d) Antiseptic e) Disinfectant.
7. Define Haematinics. Write the method of preparation, assay and uses of Ferrous Sulphate.
8. Give the precautions and pharmaceutical applications of radioactive substances.
9. Describe about the Calcium carbonate.

**III. Short answers on: Answer ALL questions. (10 x 2 = 20)**

1. Define dentifrices with examples.
2. Write a note on assay of ammonium chloride.
3. Write the composition of Ringer's solution.
4. Osmotic laxative.
5. Define antidotes with examples.
6. What are official compounds of iron?
7. Radio opaque contrast medium.
8. Write the role of fluoride in the dental caries.
9. Boric acid + Glycerol →.
10. Write a note on alum.