

[LC 4251]

FEBRUARY 2013

Sub. Code: 4251

FIRST YEAR B.PHARM. EXAM

Paper I – PHARMACEUTICAL INORGANIC CHEMISTRY

Q.P. Code : 564251

**Time : Three hours
(180 Min)**

Maximum: 100 Marks

I. Elaborate on:

(2 x 20 = 40 marks)

1. a) Explain about source and types of impurities.
b) Define Limit test. Write the principle involved in the Limit test for Arsenic.
2. a) Write briefly about theory of Co-ordination compounds.
b) Write the Application of Co-ordination compounds in pharmacy.
c) Write notes on 10-Phenanthroline and Penicillamine.

II. Write notes on:

(8 x 5 = 40 marks)

1. Write the preparation of primary and secondary standard solution.
2. Write notes on measurement and radioactive isotopes.
3. Define antacid. Write the preparation, identification, assay and uses of Magnesium hydroxide.
4. Write short notes on Alum.
5. Write the preparation, properties, identification, assay and uses of Potassium Permanganate.
6. Write the official preparation of Sodium chloride.
7. Write short notes on helium gas.
8. Give the details about activated charcoal.

III. Short Answers

(10 x 2 = 20 marks)

Define following:

1. Ligands.
2. Sedatives.
3. Radio opaque contrast medium.
4. Pharmacopoeia and Monograph.
5. Hypernatremia.
6. Impurity.
7. Osmotic laxative.
8. Anti caries agents.
9. Anti oxidant.
10. Assay.
