



(LL 4251)

AUGUST 2017

Sub Code: 4251

**B.PHARM. DEGREE EXAMINATION
FIRST YEAR
PAPER I – PHARMACEUTICAL INORGANIC CHEMISTRY**

*Q.P. Code: 564251***Time: Three hours****Maximum: 100 Marks****I. Elaborate on:** (2 x 20 = 40)

1. a) What are limit tests? Explain the types of impurities present in pharmaceuticals.
b) Enumerate the principle and procedure involved in the limit test for arsenic.
2. What are Anti-microbials? Discuss the method of preparation, properties, assay and uses of: a) Iodine b) Silver Nitrate.

II. Write notes on: (8 x 5 = 40)

1. Write note on 1, 10 - Phenanthroline and EDTA.
2. Illustrate the preparation and properties of Helium gas.
3. Discuss on electrolytes used in combination therapy.
4. State the physiological role of iron and copper.
5. Define expectorant. Write the preparation and assay of ammonium chloride.
6. Give in detail about Pharmacopoeia and Monograph.
7. Write short notes on radio opaque contrast media.
8. Write a note on dental products and describe the role of fluorides as anti-caries agent.

III. Short answers on: (10 x 2 = 20)

1. Write the official compounds of sodium along with its uses.
2. How will you assay calcium gluconate?
3. Give the identification test for sulphate and barium.
4. Define chelating agents with examples.
5. Write about the solutions of iodine.
6. Give difference between purified water and water for injection.
7. Write the preparation and use of titanium dioxide.
8. Define osmotic laxative. Give example.
9. Give the preparation and use of selenium sulphide.
10. What are sedatives? Give examples.
