

(LE 4251)

FEBRUARY 2014

Sub Code: 4251

FIRST B.PHARM. EXAM

Paper I – PHARMACEUTICAL INORGANIC CHEMISTRY

*Q.P. Code: 564251*

Time: Three hours

Maximum: 100 marks

**I. Elaborate on:**

**(2X20=40)**

1. a) Describe about the Dental products.  
b) Classify antacids and write a note on acid neutralizing capacity of Aluminium hydroxide gel.
2. a) Explain the theory of Co-ordination compounds and give the applications of EDTA & Dimercapol.  
b) Write a note on Expectorants.

**II. Write Short Notes on:**

**(8 x 5 =40)**

1. Give the preparation, properties and uses of Boric acid
2. Define antidote and write a note on sodium nitrite.
3. Write about the acid base balance and its importance.
4. Write about the limit test for Arsenic.
5. Write the preparation and assay of oxygen.
6. What are saline cathartics and write about their preparation and uses.
7. Give an account on oral rehydration therapy.
8. Write a note on Monograph.

**III. Short Answers:**

**(10 x 2 =20)**

1. Give the physiological role of Zinc and copper?
2. How will you carry out the limit test for chloride for potassium permanganate?
3. Define amphoteric solvents with examples?
4. Write the examples for Sclerosing agents?
5. What are official compounds of iron?
6. Sodium thio sulphate + Iodine -----
7. Define the term Normality?
8. Write the official preparations of sodium chloride?
9. What is the use of citric acid in the limit test for iron?
10. Write the preparation of Titanium dioxide?

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