



[LF 4251]

AUGUST 2014

Sub. Code: 4251

**FIRST YEAR B.PHARM. DEGREE EXAMINATION**

**Paper I – PHARMACEUTICAL INORGANIC CHEMISTRY**

*Q. P. Code: 564251*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer All Questions**

**I. Essay Questions:**

**(2 x 20 = 40)**

1. a) Explain about Pauling's Valence bond Theory.  
b) Discuss about the biological role of co-ordination compounds.
2. a) Define Acidifical Write the method of preparation and assay of  $\text{Na}_2\text{HPO}_4$ .  
b) Write about the combination of Antacid preparation.

**II. Short Notes:**

**(8 x 5 = 40)**

1. Explain Electrolyte combination therapy with examples.
2. What are the precautions to be observed while handling radio active materials?
3. Write the principle involved in the limit test for Iron.
4. Write notes on Dimethicone.
5. Write the method of preparation, assay and uses of Chlorinated lime.
6. Write about Physiological acid base balance and its importance.
7. Define Respiratory stimulant. Write the preparation and assay of any one drug.
8. Write notes on antidotes.

**III. Short Answers:**

**(10 x 2 = 20)**

1. Write a note on water for injection.
2. Define suspending agent. Give an example.
3. What are antimicrobials? Write about their importance.
4. Give the uses of Iron dextran injection.
5. Explain the importance of test for purity.
6. What is the use of Hypertonic saline?
7. What are ideal antacid?
8. Write the composition and used of Magaldrate.
9. Write a note on Povidone Iodine.
10. Define valency.

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