

**Subject Code: B13201/R13**

**I B. Pharmacy II Semester Regular/Supply Examinations July - 2015**

**PHARMACEUTICAL INORGANIC CHEMISTRY**

**Time: 3 hours**

**Max. Marks: 70**

Question Paper Consists of **Part-A** and **Part-B**  
Answering the question in **Part-A** is Compulsory,  
Three Questions should be answered from **Part-B**

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**PART-A**

1. (a) What are the common impurities and their sources?
- (b) Write the composition and uses of Ringer solution.
- (c) What are the uses of activated charcoal, talc and titanium dioxide?
- (d) Enlist inorganic colorants. Discuss briefly any one colorant.
- (e) Write a note on mouthwashes.
- (f) Briefly explain structure and uses of one inorganic diagnostic agent.

[4+4+3+4+4+3]

**PART-B**

2. (a) Discuss the limit test for sulphates.
  - (b) Explain the testing methods for purity of arsenic.
- [8+8]
3. Define antacid. Explain the preparation, neutralizing capacity and assay of aluminium hydroxide gel.
- [16]
4. (a) Explain the preparation, test for identity, alkalinity test, assay and uses of zinc oxide.
  - (b) Describe the preparation, description, stability test, assay and uses of hydrogen peroxide.
- [8+8]
5. Explain preparation, description, assay and uses of ferrous gluconate and ferrous fumarate.
- [16]
6. Explain preparation, description, test for purity, assay and uses of dibasic calcium phosphate.
- [16]
7. Discuss the structure, properties and uses of the following.
    - (a) Potassium perchlorate
    - (b) Sodium antimonygluconate
- [8+8]

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