

Code: 13R00104

**B.Pharm I Year (R13) Supplementary Examinations December 2016**  
**PHARMACEUTICAL INORGANIC CHEMISTRY**

Time: 3 hours

Max. Marks: 70

**PART – A**  
(Compulsory Question)

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- 1 Answer the following: (10 X 02 = 20 Marks)
- (a) What are the reagents used in Iron Limit Test?
  - (b) Define dentifrices with examples.
  - (c) Write the composition of Ringer's solution.
  - (d) Write the difference between chelating and sequestering agent.
  - (e) What are topical agents? Classify with examples.
  - (f) Write about solutions of iodine.
  - (g) Write the official preparations of sodium fluoride.
  - (h) Give the physiological role of zinc and calcium.
  - (i) Define the term molarity.
  - (j) What is diazotization titration?

**PART – B**  
(Answer all five units, 5 X 10 = 50 Marks)

**UNIT - I**

- 2 Define Limit test. Write the principle and procedure involved in the Limit test for Arsenic.
- OR**
- 3 Explain about source and types of impurities with examples.

**UNIT - II**

- 4 What is cerimetric titration? What are its advantages over permanganometry? Write the preparation and standardization of 0.1M ceric ammonium sulphate.
- OR**
- 5 Write the assay of following:
- (a) Sodium chloride.
  - (b) Magnesium sulphate.

**UNIT - III**

- 6 Explain the role of Electrolytes in Acid base therapy.
- OR**
- 7 Explain iron and also give the details about its compounds.

**UNIT - IV**

- 8 What is pharmaceutical aid? Explain with suitable example.
- OR**
- 9 What are antimicrobials? Classify on the basis of mechanism of action with examples.

**UNIT - V**

- 10 Define Antacid. Write the method of preparation and assay of sodium bicarbonate.
- OR**
- 11 What are gastrointestinal agents? How are they classified? Give at least two examples from each class.

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