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Code No. : **4402****FACULTY OF PHARMACY****B. Pharmacy I Year (Supplementary) Examination, Nov./Dec. 2010****PHARMA. INORGANIC CHEMISTRY**

Time : 3 Hours]

[Max. Marks : 70

*Note : Answer **all** questions. **All** questions carry **equal** marks.*

I. a) 1) Classify the Pharmaceutical Inorganic compounds based on their therapeutic uses. 8

2) What is limit test and explain the purpose of prescribing limits for impurities in Pharmacopoeial substances. 6

OR

b) 1) Discuss the principle and procedure involved in the limit test for Arsenic. 8

2) Write the identification tests for the following radicals.
i) Bicarbonates, ii) Chlorides, iii) Potassium. 6

II. a) 1) What is an Antacid ? Describe the preparation of Aluminium hydroxide gel with reaction. 8

2) Give the preparation and assay for sodium chloride. 6

OR

b) 1) Write a brief account of dialysis fluid, their general composition, mode of supply and application. 8

2) What is systemic alkalisers ? Explain with suitable example. 6

III. a) 1) What is the role of Iron in the body ? Write the method of preparation of Ferrous gluconate and Ferric ammonium citrate. 8

2) Differentiate Adsorbents and Absorbents. 2

3) Write a note on Purified water. 4

OR

(This paper contains 2 pages)

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- b) 1) What are Antioxidants ? Write the method of preparation, properties, test for purity and uses of sodiummetabisulphite. 8
- 2) Write a note on excipients. 4
- 3) List out the official Haematinics and Phosphate compounds. 2

- IV. a) 1) Define expectorants. Discuss the preparation, properties and application of
- i) Ammonium ii) Potassium Iodide. 8
- 2) Write a note on Antidotes. 6

OR

- b) 1) What are emetics ? Discuss the preparation, properties and application of
- i) Potassium antimony tartarate, ii) Copper sulphate. 8
- 2) What are Inhalants ? Name some official inhalants. 2
- 3) Give the method of preparation and assay of Oxygen. 4

- V. a) 1) What are Antiinfective agents ? Write the preparation, properties and application of :
- i) Hydrogen peroxide, ii) Yellow mercuric oxide. 8
- 2) Write a note on :
- i) Diagnostic agents ii) Surgical Aid. 6

OR

- b) 1) What are topical agents ? Write the composition, preparation and uses of calamine lotion. 8
- 2) Write the principle and procedure involved in the assay of
- i) Silver nitrate ii) Yellow mercuric oxide. 6