

Code No. 7202 / M

FACULTY OF PHARMACY**B. Pharmacy I Year (Main) Examination, June 2014****Subject: Pharmaceutical Inorganic Chemistry****Time: 3 Hours****Max.Marks: 70****Note: Answer all questions. All questions carry equal marks.**

- 1 (a) i) Write general procedure for qualitative tests for cations. (8)
ii) Give the principle and procedure involved in limit test for lead. (6)
- OR**
- (b) i) How do you differentiate between group II and group III cations with chemical reactions. (8)
ii) Explain principle and procedure involved in the limit test for heavy metals. (6)
- 2 (a) i) Write the importance of electrolytes and how you prepare ORS. (2+3)
ii) Give the preparation, assay and uses of following compounds (3+3+3)
1) Sodium phosphate 2) Magnesium hydroxide 3) Potassium citrate
- OR**
- (b) i) Write the significance of acid base regulators. (3)
ii) Explain role of electrolytes in body fluids. (3)
iii) Give the preparation, assay and uses of ammonium chloride and sodium acetate. (4+4)
- 3 (a) i) Write the role of suspending agents in pharmaceutical products with examples. (5)
ii) Define absorbents. Give the preparation, assay limit test and uses for aluminum phosphate and magnesium stearate. (1+8)
- OR**
- (b) i) Define desiccants. Give the preparation, assay, limit test and uses of sodium sulphite and ferric ammonium citrate. (1+4+4)
ii) Give a note on solvent and vehicle. (5)
- 4.(a) i) Write a brief note on antidotes. (6)
ii) Give the preparation, properties, assay test for purity and uses of copper sulphate and ammonium carbonate. (4+4)
- OR**
- (b) i) Explain significances of nitrous oxide. (2)
ii) Write the preparation, properties, assay and uses of following compounds. (4+4+4)
1) Potassium antimony tartarate 2) Potassium iodide 3) Zinc sulphate.
- 5 (a) i) What are anti-infective agents, give the preparation, assay and uses of hydrogen peroxide and boric acid. (1+4+4)
ii) Write a note on silicone polymers. (5)
- OR**
- (b) i) Define astringents with examples. (2)
ii) Write the significance of fluorides in dental products. (4)
iii) Give the preparation, assay, test for purity and uses of barium sulphate and calcium phosphate. (4+4)
