

Code No. 7202

FACULTY OF PHARMACY**B. Pharmacy I – Year (Supplementary) Examination, November 2013****Subject : Pharmaceutical Inorganic Chemistry****Time : 3 hours****Max. Marks : 70****Note: Answer all questions. All questions carry equal marks.**

- 1.a) Classify inorganic pharmaceuticals based on their therapeutic applications with examples. 8
- b) Give two characteristic tests for any two anions and two cations and explain with reactions. 6
- OR**
- c) Write in detail on sources of impurities in pharmaceuticals. 7
- d) Explain the principle and procedure in the limit test for i) chlorides ii) Iron 3+4
- 2.a) List out the official magnesium compounds used as antacids. Explain the method of preparation of milk of magnesia. 5
- b) Discuss the chemistry, properties and applications of light and heavy kaolins. 6
- c) Write a note on Haemodialysis fluids. 3
- OR**
- d) Describe the importance of sodium in the body. Write preparation, properties uses of i) Sodium chloride ii) Sodium acetate 7
- c) What are Laxatives? Write preparation, properties of any two official laxatives. 7
- 3.a) What are haematinics? Write preparation, properties and assay of Ferrous sulphate. 8
- b) Write a note on i) Purified water ii) Colorants 6
- OR**
- c) Write preparation, properties and uses of i) Sodium metabisulphite ii) Activated charcoal iii) Zinc chloride 9
- d) Write a note on excipients. 5
- 4.a) What are antidotes? Write preparation, properties uses of i) Sodium thiosulphate ii) Sodium nitrite 8
- b) Write a note on expectorants. 6
- OR**
- c) Write preparation, properties and uses of i) Zinc sulphate ii) Copper sulphate 8
- d) Write a note on inhalants. 6
- 5.a) Explain the principle and procedure in the assay of i) Hydrogen peroxide ii) Silver nitrate 8
- b) Write the composition, properties and applications of i) Ammoniated mercury ii) Activated Dimethicone 6
- OR**
- c) Indicate one official inorganic compound used as i) Antineoplastic agent ii) Diagnostic agent iii) Antidepressant agent. Describe briefly their uses and properties. 9
- d) Write preparation, properties and uses of i) Stannous fluoride ii) Calcium carbonate 5
