

**FACULTY****B. Pharmacy I Year (Main) Examination, May 2016****Subject : Pharmaceutical Inorganic Chemistry****Time : 3 Hrs****Max. Marks: 70****Note: Answer all questions. All questions carry equal marks.**

- 1 (a) Give any four characteristics tests for  $\text{Pb}^{2+}$  cations. (6)  
(b) Write the principle and procedure involved in the limit test for lead and chlorides. (4+4)  
**OR**  
(c) With a neat labeled diagram. Explain the principle and procedure involved in the limit test for Arsenic. (8)  
(d) Discuss about source of impurities in pharmaceutical preparations. (6)
- 2 (a) What are laxatives? Give the method of preparation, tests for purity and uses of magnesium sulphate and sodium phosphate. (2+3+3)  
(b) Write a note on haemodialysis fluids. (6)  
**OR**  
(c) Define Antacids. Give the method of preparation, properties and uses of magnesium and calcium carbonate. (1+4+4)  
(d) Add a note on Adsorbents. (5)
- 3 (a) Define Haematinics. Give the preparation, test for purity and uses of ferric gluconate and ferric ammonium citrate. (1+3+3)  
(b) Write a note on purified water and Desiccants. (4+3)  
**OR**  
(c) Add a note on Antioxidants. (5)  
(d) Give the preparation, properties and uses of following compounds: (3x3)  
(i) Ferric fumarate (ii) Sodium phosphate  
(iii) Sodium metabisulfite
- 4 (a) Discuss about treatment of cyanide poisoning. (7)  
(b) Write a note on Expectorants. (7)  
**OR**  
(c) What are Inhalants? Name some official inhalants. (2)  
(d) Give the preparation, properties, test for purity and uses of following compounds. (3x4)  
(i) Sodium nitrite (ii) Zinc sulphate (iii) Ammonium chloride
- 5 (a) Define the terms with examples. (4)  
(i) Sedatives (ii) Anti neoplastic agents  
(iii) Diagnostic agents (iv) Anti depressants  
(b) Define Astringents. Give the preparation, test for purity and uses of calcium hydroxide and zinc oxide. (2+4+4)  
**OR**  
(c) Define Dentifrices and give its significance. (1+3)  
(d) Give the preparation and uses of potassium bromide and potassium perchlorate. (6)

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