

Code No. 6033 / S

FACULTY OF PHARMACY**B. Pharmacy I – Year (Supplementary) Examination, November 2015****Subject: Pharmaceutical Inorganic Chemistry****Time: 3 Hours****Max.Marks: 70****Note: Answer All questions. All questions carry equal marks.**

- 1 a) Discuss about sources of impurities in pharmaceuticals. 8
b) Give four characteristic tests for group IV cations. 6
OR
c) Define limit test and give its significance. 2+4
d) Give the principle and procedure in the limit test for mercury and iron. 4+4
- 2 a) Discuss the importance of sodium in the body. Write the preparation, properties and uses of sodium chloride and sodium bicarbonate. 2+3+3
b) Give the preparation, assay methods and limit tests for following compounds:
i) Calcium gluconate 3
ii) Sodium citrate 3
OR
c) Explain in detail about dialysis fluids and their significances. 10
d) Add a note on acid base regulators. 4
- 3 a) Define desiccants with examples. Give the preparation, properties, test for purity of silica gel. 8
b) Add a note on haematinics. 6
OR
c) Define the following terms with examples. 3x2=6
i) Excipients (ii) Suspending agents (iii) Absorbents
d) Give the preparation and uses of following compounds. 4x2=8
i) Ferrous sulphate (ii) Magnesium stearate
iii) Sodium metabisulfite (iv) Sodium phosphate
- 4 a) Define emetics. Give the preparation, properties and uses of zinc sulphate and copper sulphate. 1+3+3
b) Add a note on antidotes. 7
OR
c) Give the preparation, properties, assay method, limit test and uses of any two of the following: 2x5
i) Potassium iodide (ii) Sodium thiosulphate (iii) Ammonium chloride
d) What are inhalants and give their significance. 4
- 5 a) Give the preparation, test for purity and uses of following compounds. 3x3=9
i) Silver nitrate (ii) Hydrogen peroxide (iii) Boric acid
b) Add a note on dentifrices. 5
OR
c) Write the significance of cements and fillers. 4
d) What are anti-infectives? Give the preparation, properties and uses of following: 1+3+3+3
i) Zinc oxide (ii) Potassium permanganate (iii) Zinc stearate.
