

I B.Pharmacy I Semester Supplementary Examinations, Feb. 2015
PHARM. INORGANIC CHEMISTRY-I

Time: 3 hours

Max Marks: 75

Answer any FIVE Questions
All Questions carry equal marks

1. (a) Explain the qualitative tests for the following cations :
(i) Zinc (ii) Magnesium (iii) Ferrous
(b) Explain the qualitative tests for the following anions:
(i) Carbonate (ii) Iodide (iii) Tartarate [8+7]
2. Explain the principle and procedure involved in the limit test for
(a) Iron
(b) Heavy metals [8+7]
3. (a) What are major physiological ions? Explain the biological importance of sodium and potassium.
(b) Write the method of preparation and uses of sodium chloride and potassium chloride. [8+7]
4. write short notes on the following :
(a) Dialysis fluids
(b) O R S
(c) Biological importance of magnesium [3x5=15]
5. Explain the principle and procedure involved in the assay of
(a) Magnesium oxide
(b) Sodium acid phosphate
(c) Calcium carbonate [3x5=15]
6. Discuss preparation, assay and uses of sodium citrate and $Al(OH)_3$ gel [7+8]
7. Write short notes on
(a) titanium dioxide and ferric oxide.
(b) Aluminium stearate
(b) bentonite
(d) calcium carbonate [4+4+4+3]
8. Discuss in detail about
(a) talc.
(b) bentonite
(c) colloidal silica [5+5+5]
