

**I B.Pharmacy I Semester Supplementary Examinations, Oct/Nov 2013
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) Aluminium (ii) Potassium (iii) Lead
(b) Explain the qualitative tests for the following anions :
(i) Bicarbonate (ii) Bromide (iii) Acetate [8+7]
2. Explain the principle, method and construction of apparatus of limit test for arsenic. [15]
3. (a) What is physiological acid- base balance? Explain the role of major buffer systems in the maintenance of physiological acid- base balance.
(b) Explain the electrolytes used in the acid- base balance. [10+5]
4. Explain the principle and procedure involved in the assay of
(a) sodium lactate
(b) Sodium bicarbonate
(c) Potassium citrate [3x5=15]
5. (a) What are laxatives? Mention the different types of laxatives and explain them.
(b) Write the method of preparation, uses and assay of magnesium sulphate. [6+9]
6. Discuss preparation, assay, and uses of potassium citrate. and aluminum hydroxide gel. [7+8]
7. Define haematinics and Write the preparation, assay and uses of ferrous sulphate and ferrous gluconate. [1+7+7]
8. (a) What are excipients? Give examples.
(b) How swelling factor of bentonite is carried out?
(c) Define suspending agent with examples. [15]
