

First Year B.Pharm Degree Examinations, July 2015

(2012 - Scheme)

PHARMACEUTICAL CHEMISTRY - I

(Inorganic & Physical Chemistry)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Write equations wherever necessary.

Essay

(3x10=30)

1. Define and classify antacids. Explain the preparation, assay and uses of magnesium hydroxide.
2. Discuss on clinical applications, storage conditions and handling of radiopharmaceuticals giving emphasis to Iodine - 131
3. Explain the concept of Physiological Acid base balance and elaborate on sodium chloride injection and ORS

Short notes

(14x5=70)

4. Debye-Huckel theory.
5. Enumerate the various calcium compounds used for electrolyte replacement therapy and discuss on any one.
6. Describe the limit test for lead.
7. What is meant by optical rotation and refractive index.
8. Narrate the method of preparation, assay and uses of zinc chloride.
9. Dentifrices.
10. What is an expectorant. Explain with suitable examples.
11. Mention the assay of boric acid with relevant equations.
12. Mention the method of preparation, assay and uses of ferrous sulphate.
13. Radio-opaque contrast media.
14. Applications of co-ordination compounds in pharmacy.
15. Explain the assay procedure adopted for nitrogen.
16. Define antidotes. Give examples. Mention properties and uses of any two
17. Physiological role of chloride and phosphate.
