

First Year B.Pharm Degree Examinations - September 2013

(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. What is ORS. List the contents and role of each ion. Where it is useful
2. Define adsorbents and protectives giving examples. Explain the advantages of antacid combination therapy with examples.
3. What are astringents. Mention examples and its uses. How do you prepare and assay hydrogen peroxide

Short notes

(14x5=70)

4. Explain the uses of magnesium tri silicate and aluminium hydroxide gel with its chemical formula
5. Importance of heavy metal limit test. Explain the procedure to carry out the same.
6. Role of fluorides ions in dental caries. How do you prepare sodium fluoride
7. How do you prepare and assay inhalant oxygen
8. Iron compounds used as pharmaceuticals
9. Discuss the physiological role of copper and iodine
10. Sodium lauryl sulphate and its importance in pharmacy
11. Discuss different qualities of water in IP
12. What are inorganic expectorant. List examples and its uses
13. How does 1,10-phenanthroline help in pharmaceutical analysis
14. Explain the colligative properties with examples
15. What is kinetic theory of gas and its significance
16. Sources of impurities in pharmaceuticals
17. What are the units for measuring radioactivity. List the uses of iodine-131
