

2012 Scheme

QP CODE: 111006

Reg. No:

First Year B. Pharm Degree Supplementary Examinations June 2023 Pharmaceutical Chemistry - I

(Inorganic & Physical Chemistry)

Time: 3 Hours

Total Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Write equations wherever necessary.

Essay

(3x10=30)

1. Discuss the principle and reactions involved in the limit test for Arsenic. Give its significance. Draw a neat labelled diagram of the apparatus used.
2. Give the radiopharmaceutical preparations, clinical application, dosage, hazards and storage of Cobalt-58
3. Give the preparation, properties, assay, storage and uses of Hydrogen peroxide.

Short notes

(14x5=70)

4. Explain radio opaque contrast media.
5. What are respiratory stimulants. Give the preparation, storage and uses of ammonium carbonate.
6. Describe acidifiers. Give the preparation, assay, storage and uses of Ammonium chloride.
7. Define sclerosing agents. Write a note on hypertonic saline
8. List the importance of physiological functions of sodium and calcium in the human body.
9. Note on protectives and adsorbents with examples.
10. Comment on the role of dibasic calcium phosphate. Give its preparation and storage
11. Discuss the physiological acid-base balance and its significance
12. Give the preparation, properties, storage and uses of Oxygen.
13. Explain the physiological role of Phosphate and Potassium
14. Comment on the side effects of antacids and the advantages of combination therapy
15. Give the preparation, storage, assay and uses of calcium gluconate.
16. Role of expectorants with examples.
17. Discuss sodium benzoate and water for injection and mention their uses.
