

2012 Scheme

QP CODE: 111006

Reg. No:

First Year B. Pharm Degree Supplementary Examinations January 2024

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. Explain the mechanism of maintenance of physiological acid base balance. Elaborate the method of preparation and medicinal uses of sodium chloride
2. Give the radiopharmaceutical preparations, clinical application, dosage, hazards and storage of Iodine -131
3. Give the preparation, properties, assay, storage and uses of ferrous sulphate.

Short notes

(14x5=70)

4. Enumerate the composition and medicinal uses of oral rehydration salts.
5. What are astringents. Give the preparation, assay, storage and uses of Zinc chloride.
6. Explain the acid neutralizing capacity of an antacid. Give the preparation and uses of aluminium hydroxide gel.
7. Give the identification test, storage and uses of sodium citrate.
8. Comment on the role of flourides as anti-caries agents. Give the preparation and uses of sodium fluoride.
9. Note on dimethicone.
10. Give the preparation, properties, storage and uses of nitrous oxide.
11. Explain the physiological role of iron and chloride
12. Give the preparation, properties, assay and uses of Boric acid
13. Explain the theory of coordination compounds and mention the uses of EDTA & 1, 10-phenanthroline.
14. Limit test for chlorides.
15. Discuss sodium methyl paraben and sodium lauryl sulphate and mention their uses
16. Give the identification test, test for purity and uses of iron and ammonium citrate
17. What are sedatives. Give the identification test, storage and uses of potassium bromide
