

QP CODE: 105326

Reg. No:

First Year Pharm D Degree Supplementary Examinations March 2024

Pharmaceutical Inorganic Chemistry

Time: 3 Hours

Total Marks: 70

- *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*
- *Draw table/diagrams/flow charts wherever necessary*

Essays

(3x10=30)

1. Write the principle, reactions and procedure involved in the limit test of Arsenic. Draw neat labeled diagram of Gutzeit's apparatus.
2. What are Non-aqueous titrations. Explain in detail the types of solvents used in Non-aqueous titrations. Write a note on application in pharmacy.
3. What are Antacids. Give the ideal properties of Antacids. Discuss the preparation, assay and uses of Sodium bicarbonate.

Short notes:

(8x5=40)

4. Explain different sources of errors. Write the methods to minimize them.
5. What are ligands. Explain the types of ligands with examples.
6. Define cathartics. Give the preparation, assay and use of Magnesium sulphate.
7. Explain the physiological role of Sulphur and Zinc.
8. Define and classify Antidotes with examples.
9. Write the Mohr's method for the estimation of halides.
10. Give the pharmaceutical applications of Gravimetric analysis.
11. Write a note on electrolyte replacement therapy.
