

QP CODE: 105326

Reg. No:

**First Year Pharm D Degree Regular/Supplementary Examinations
August 2025**

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. What are redox titrations. Differentiate between iodometry and iodimetry with suitable examples.
2. Describe the principle and reactions involved in the limit test for Arsenic and Chloride.
3. Explain different types of argentometric titrations in detail.

Short notes:

(8x5=40)

4. Explain different solvents used in non-aqueous titrations.
5. Explain different types of EDTA titrations.
6. What are antacids. Write about the assay of magnesium hydroxide mixture.
7. Write about the uses and assay of Boric acid.
8. Explain the assay and uses of Ferrous Sulphate.
9. What are the methods to measure radioactivity.
10. What are the electrolytes used in replacement therapy. Explain the assay of sodium chloride.
11. Physiological acid base balance.
