

QP CODE: 105326

Reg. No:

**First Year Pharm D Degree Regular/Supplementary Examinations
September 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. What are titration curves in Acid-base titrations. How are they prepared. Give their uses. (4+4+2)
2. Explain the theory of Non-aqueous titrations. Mention its advantages and disadvantages. (6+4)
3. Explain the principle and procedure for the Limit test for Arsenic.

Short notes:

(8x5=40)

4. Define with examples:
(a) Primary standard (b) Disinfectants (c) Indeterminate errors
(d) Solubility Product (e) Weak Acid
5. Write a note on Metal ion indicators with examples.
6. Compare the properties of alpha, beta and gamma radiations.
7. Write a note on Modified Volhard's Method.
8. Explain the precautions to be taken in Gravimetric analysis.
9. Write the principle and procedure of Limit Test for Iron.
10. Describe the preparation and assay of Calcium Gluconate.
11. What are antacids. Enumerate the inorganic antacids used, comparing their merits and demerits.
