

QP CODE: 105326

Reg. No:

**First Year Pharm D Degree Supplementary Examinations
February 2026**

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 indicators. Explain the theories of indicators with suitable examples. (2+8)
2. Explain the methods of expressing concentrations. How do you prepare and standardize 1N sodium hydroxide. (5+5)
3. Define antidote and emetics with examples. Write the preparation and medicinal uses of sodium thiosulphate and ferrous sulphate. (4+6)

Short notes:

(8x5=40)

4. Define radioactivity. List the methods of measurement of radioactivity. Explain any two methods.
5. Define non-aqueous titration. Add a note on the assay of sodium benzoate.
6. Write a note on masking and demasking agents.
7. Define complexometry. What are the types of complexometric titration. Add a note on metal ion indicators.
8. What are precipitation titrations. List the methods of precipitation titrations. Explain anyone method in detail.
9. Write the principle and procedure of Limit Test for Iron.
10. Write mechanism of action of inorganic antimicrobial agents.
11. Write importance of sodium ions in the body.
