

QP CODE: 105326

Reg. No:

**First Year Pharm D Degree Regular/Supplementary Examinations
February 2023
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. Explain the principle and procedure with reaction involved in the limit test for Iron and Lead.
2. Explain the principle and procedure involved in the Fagan's method of estimation of halides
3. Discuss briefly about physiological acid base balance. Write the method of preparation and principle involved in the assay of Calcium gluconate.

Short notes:

(8x5=40)

4. How do you prepare, standardize and store 0.1N potassium permanganate solution.
5. Give the medicinal uses and storage conditions of oxygen, carbon dioxide and nitrous oxide.
6. Explain the physiological role of Iron and Copper.
7. Write the clinical applications of Radiopharmaceuticals.
8. Explain different types of Redox titrations with examples.
9. Write in detail the principle for Complexometric titrations with suitable example.
10. Define and classify antacids with examples. Add a note on combination antacid preparations.
11. Write the principle involved in the preparation and assay of Hydrogen peroxide.
