

QP CODE: 105326

Reg. No:

**First Year Pharm D Degree Regular/Supplementary Examinations
January 2022
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. Describe the principle involved in precipitation titration and explain the argentometric titration with examples. (5+5)
2. Explain in detail the theory of indicators.
3. Explain the preparation, radiochemical purity, storage and medicinal uses of I^{131} solution. (2+2+2+4)

Short notes:

(8x5=40)

4. Explain the principle and procedure involved in the limit test for iron with the neat diagram.
5. Explain the preparation, assay and uses of chlorinated lime.
6. Explain aqueous iodine and strong iodine solution.
7. Explain the preparation, properties, storage and uses of helium
8. Explain the preparation assay and uses of calcium gluconate.
9. Explain the physiological role of iron and selenium.
10. Explain the preparation, assay and uses of magnesium trisilicate
11. Enumerate the preparation of strontium chloride and dibasic calcium phosphate.
