

QP CODE: 105326

Reg. No:

**First Year Pharm D Degree Regular/Supplementary Examinations
February 2021**

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 in detail the complexometric titration and the method of preparation and standardization of M/100 sodium edetate. (5+ 2 +3)
2. Explain the neutralization titration of acid and bases with different titration curves.
3. Explain the preparation, assay and uses of bentonite and sodium metabisulphite. (5 + 5)

Short notes:

(8x5=40)

4. Theories of indicators.
5. With the neat and labelled diagram and equations explain the limit test for arsenic.
6. Discuss on purity of precipitates in gravimetric analysis.
7. Explain the assay of oxygen IP with labelled diagram.
8. How will you prepare the following: magnesium hydroxide gel and aluminium hydroxide gel.
9. An abstracted monograph of calcium gluconate IP.
10. Explain with suitable equations the principle involved in the assay of calcium chloro hypochlorite and copper sulphate.
11. Discuss the test for purity of the following: sodium chloride and ferrous sulphate.
