

QP CODE: 105326

Reg. No:

**First Year Pharm D Degree Supplementary Examinations
December 2019**

Pharmaceutical Inorganic Chemistry

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. • Explain the types of solvents used in non-aqueous titration (5)
• Explain the preparation and standardization of 0.1N perchloric acid. (2+3)
2. Describe the theory of redox titration and explain the preparation and standardization of 0.1M potassium dichromate solution. (2+4+4)
3. What are antacids. Classify antacids. Explain the preparation, assay, storage and uses of aluminium hydroxide gel. (2+2+ 2+2+1+1)

Short notes:

(8x5=40)

4. Explain the preparation, properties, storage and uses of nitrous oxide.
5. Describe the principle and procedure involved in the limit test of arsenic with a neat diagram
6. Explain the preparation, assay and uses of boric acid.
7. Discuss the role of fluorides as anticaries agents and give the uses of sodium fluoride.
8. Explain the radiation hazards and the safety measures to be taken in handling radio pharmaceuticals”..
9. What are the criteria for the selection of indicators and write a note on preparation of standard solutions.
10. Explain the physiological role of zinc and copper.
11. Official preparations of sodium chloride.
