

QP CODE: 105326

Reg. No:

**First Year Pharm D Degree Supplementary Examinations June 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. Explain Geiger Muller method for detecting and measuring the radioactive radiation and explain the applications of radioactive isotopes in pharmacy.
2. Define complexometric titration. Explain the theory of complexometric titration and give some examples of pM indicators used.
3. Explain the principle, reaction, apparatus and procedure involved in the limit test of arsenic.

Short notes:

(8x5=40)

4. Explain briefly the iodine solutions official in IP and mention its medicinal uses.
5. Explain standard electrode potential and theory of redox titration.
6. The test for purity and medicinal uses of sodium nitrite and sodium thiosulphate.
7. Explain briefly the preparation, storage and uses of sodium lactate injection.
8. What are saline cathartics. Explain the mechanism of saline cathartics and give an example of inorganic compound used as saline cathartic and mention its uses.
9. Explain the physiological role of sulphur and copper.
10. Explain the test for purity and medicinal uses of bentonite.
11. Explain briefly the identifications test and test for purity and medicinal uses of activated dimethicone.
