

QP Code: 124006

Reg. No.....

**First Semester B. Pharm Degree Regular/Supplementary
Examinations April 2025**

**Pharmaceutical Inorganic Chemistry
(2017 and 2024 Scheme)**

Time: 3 Hours

Max. Marks: 75

- **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**

Essay

(2x10=20)

1. Explain the principle with reaction involved in the limit test for Iron and Heavy metals.
2. Define expectorants and haematinics. Describe the method of preparation, principle involved in the assay of copper sulphate and ferrous sulphate.

Short Notes

(7x5=35)

3. Write the method of preparation and principle involved in the assay of Calcium gluconate.
4. Enlist the properties of alpha, beta and gamma rays.
5. Write a note on Oral Rehydration Salt.
6. Write the method of preparation and principle involved in the assay of sodium bicarbonate.
7. Write the principle involved in the limit test for arsenic.
8. Define and classify antacids with examples. Add a note on combination antacid preparations.
9. Write the method of preparation and principle involved in the assay of Hydrogen peroxide.

Answer Briefly

(10x2=20)

10. Define dentifrices with examples.
11. Give the chemical formula and uses of sodium orthophosphate.
12. Define antidotes with examples.
13. Give principle behind limit test for sulphates.
14. Define emetics and astringent with one example each.
15. Write the reactions involved in the assay of ammonium chloride.
16. Enlist the various sources of impurities.
17. Uses of iodine and its preparations.
18. List the methods of adjusting isotonicity.
19. Half life of radioactive isotope.
