

QP Code: 124006

Reg. No.....

**First Semester B. Pharm Degree Regular/Supplementary
Examinations March 2026
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. Write the preparation and uses of zinc sulphate, sodium nitrite, hydrogen peroxide and sodium chloride
2. Explain the physiological role of electrolyte

Short Notes

(7x5=35)

3. Write the basic principle involved in the limit test for chloride and sulphate
4. Write the principle, chemical reaction and assay of sodium bicarbonate
5. Explain the preparation, assay and uses of calcium gluconate
6. Define buffers, mention the applications of buffers in pharmaceutical systems
7. Define Haematinics. Preparation and assay of ferrous sulphate
8. Explain the history of pharmacopeia
9. Write the pharmaceutical application of radioactive substance

Answer Briefly

(10x2=20)

10. Buffered isotonic solutions
11. Principle involved in the modified limit test for chloride in KMnO_4
12. Oral rehydration salt
13. Classification of gastrointestinal agents with examples
14. Define pharmaceutical aid and astringent
15. Any one mechanism of physiological acid base balance
16. Define astringent with examples
17. Write the preparation of Sodium iodide I^{131}
18. Write the preparation of ammonium chloride
19. Write the storage condition and precaution of radioactive substance
