

QP Code: 124006

Reg. No.....

**First Semester B. Pharm Degree Supplementary Examinations
August 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 principles involved and the apparatus used in the limit test of Arsenic
2. What are Antacids. Classify with examples. Describe the method of preparation and principle in the assay of Sodium bicarbonate

Short Notes

(7x5=35)

3. Write the principle involved in the limit test of iron
4. Write a note on ORS
5. What are antimicrobial agents. Give the mechanism of action
6. Give the method of preparation and uses of ferrous sulphate & ammonium chloride
7. Write a note on physiological acid base balance
8. Write the role of buffers in pharmaceutical systems
9. Explain five sources of impurities with examples

Answer Briefly

(10x2=20)

10. Give the reaction for the assay of copper sulphate
11. Define dentifrices. Discuss the role of fluorides in Dental caries
12. What are antidotes. Classify them with examples
13. Define haematinics. Give two examples
14. Give the composition and uses of barium sulphate reagent
15. Define emetics and expectorants with an example
16. Write the buffer equation
17. What is the modification made in limit test for potassium permanganate
18. Mention the storage conditions of radioactive substances
19. Discuss in brief the history of pharmacopoeia
