

QP Code: 124006

Reg. No.....

**First Semester B. Pharm Degree Supplementary Examinations
August 2024**

**Pharmaceutical Inorganic Chemistry
(2017 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 various sources of impurities present in pharmaceutical substances with example
2. Write the classification and functions of physiological ions. Add a note on electrolytes used in replacement therapy

Short Notes

(7x5=35)

3. Give the method of preparation and assay principle of chlorinated lime
4. Write the principle involved in the limit test of sulphates
5. Outline the history of Indian Pharmacopoeia
6. Give the method of preparation and uses of ammonium chloride
7. What are antidotes. Classify them with examples
8. Give the principle and reaction involved in the assay of copper sulphate
9. Explain the construction and working of gutzeit's apparatus

Answer Briefly

(10x2=20)

10. Two properties of alpha, beta and gamma rays
11. Discuss the role of fluorides in Dental caries
12. Define cathartics. Give two examples
13. Define haematinics. Give two examples
14. Give reason: Thioglycolic acid and citric acid are used in the limit test of iron
15. Define astringents and expectorant
16. Define acids and bases
17. What is the modification made in limit test for potassium permanganate
18. Mention the pharmaceutical applications of radioactive substances
19. Discuss the pharmaceutical importance of bentonite
