

QP Code: 124006

Reg. No.....

**First Semester B.Pharm Degree Regular/Supplementary Examinations
September 2022**

**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 • Write the chemical equation/formula wherever necessary.

Essay

(2x10=20)

1. Discuss in detail the apparatus and principle involved in the limit test of arsenic.
2. • Explain the role of electrolyte in acid base balance.
• Give the preparation, assay and uses of sodium chloride.

Short Notes

(7x5=35)

3. What are the antacids. Give the preparations, properties and uses of sodium bicarbonate.
4. What are the properties of α , β and γ rays.
5. What are expectorants. Give the preparation, properties, assay and use of ammonium chloride.
6. Give the principle, and reaction involved in limit test of Iron.
7. Give preparation and properties of sodium iodide I^{131} .
8. Role of fluorides in treatment of dental caries.
9. Explain the methods of adjusting tonicity.

Answer Briefly

(10x2=20)

10. Advantages of combinations of antacids.
11. What are antidotes. Give two examples with formula.
12. Give the principle involved in the limit test of chloride.
13. Write a note on alum.
14. Define isotonicity.
15. What are acidifiers. Give two examples with formula.
16. Give the formula and use of • calcium carbonate • zinc eugenol cement.
17. Properties and use of potassium permanganate.
18. Pharmaceutical application of radioactive substance.
19. Preparation and use of sodium orthophosphate.
