

QP Code: 124006

Reg. No.....

**First Semester B.Pharm Degree Regular/Supplementary Examinations
October 2021**

**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. Discuss the method of preparation, assay properties and uses of sodium bicarbonate.
2. Describe the principle involved in the limit test of arsenic with a neat labeled diagram.

Short Notes

(7x5=35)

3. Explain the electrolytes used in the replacement therapy.
4. Discuss the diagnostic and pharmaceutical applications of radio isotopes.
5. Iodine and its preparations
6. Describe the method of preparation and uses of milk of magnesia.
7. With reactions, explain the principle involved in the assay of ammonium chloride
8. Outline the applications of buffers in pharmaceutical systems.
9. Illustrate the role of fluoride in the treatment of dental caries.

Answer Briefly

(10x2=20)

10. Define radioactivity and half life.
11. What are astringents. Write the chemical formula of any two.
12. Name two examples of expectorant.
13. Explain the molecular formula of calcium gluconate and boric acid.
14. Define antimicrobials. Give the molecular formula of chlorinated lime.
15. Explain the chemical formula and uses of magnesium sulphate and sodium thiosulphate.
16. Mention the uses of copper sulphate and sodium nitrite.
17. Why dilute nitric acid is added in the limit test of chloride.
18. How sodium iodide I_{131} is stored.
19. What are the limit tests. Give an example for inorganic impurity.
