

QP Code: 124006

Reg. No.....

**First Semester B.Pharm Degree Supplementary Examinations
March 2023
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 about physiological acid base balance and oral rehydration salt.
2. Discuss in detail the sources and types of impurities in pharmaceutical substances with suitable examples.

Short Notes

(7x5=35)

3. Describe the method of preparation and assay of chlorinated lime.
4. Explain the properties of Alpha, Beta and Gamma Rays.
5. Summarize the physiological role of sodium and potassium.
6. Classify antidotes and explain the assay of sodium thiosulphate with reactions.
7. Outline the principle and procedure involved in the assay of hydrogen peroxide.
8. Illustrate the contents of pharmacopoeial monograph with example.
9. Briefly explain about desensitizing agents and zinc eugenol cement.

Answer Briefly

(10x2=20)

10. Define isotonic solution.
11. Define pH. Mention the pH range for differentiating acid and base.
12. Why citric acid is added in the limit of iron.
13. Define a base with suitable examples.
14. Define acidifier. Give two examples.
15. State any two precautions to be followed while handling radioactive materials.
16. List the reagents used in limit test of arsenic.
17. Define cathartic. Give two examples.
18. Write the molecular formula of sodium bicarbonate and antimony potassium tartarate
19. Write the chemical equation involved and the indicator used in the assay of calcium gluconate.
