

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B. Pharm Degree Examination – 11-Nov-2023

Time: Three Hours**Max. Marks: 70****PHARMACEUTICAL INORGANIC CHEMISTRY (RS-4)****Q.P. CODE: 2629**

Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Answer any Two)**2 x 10 = 20 Marks**

1. What are Antimicrobial agents? Discuss the mode of action of Antimicrobial agents. Describe the method of preparation and principle in the assay of hydrogen peroxide
2. Define and classify Errors. Describe the various methods used to minimize the errors
3. What are Non-aqueous titrations? Explain in detail the types of solvents used in non-aqueous titrations. Write the assay of sodium benzoate

SHORT ESSAYS (Answer any Six)**6 x 5 = 30 Marks**

4. Describe principle and reactions involved in the assay of Copper sulphate
5. Write the principle and reactions involved in the assay of Ammonium chloride
6. Discuss the various methods used to express the concentration of solution
7. Write the procedure and principle involved in limit test for chloride
8. Classify complexometric titrations. Explain each type with suitable examples
9. **Explain the mechanism of action of indicators in Fajan's method**
10. Classify the Redox titration. Give the application of Iodometry
11. Write the principle and reactions involved in estimation of ferrous sulphate

SHORT ANSWERS**10 x 2 = 20 Marks**

12. Give the role of ammonia solution in limit test for iron
13. Write the storage condition and uses of Carbon dioxide
14. What are Acidifiers? Give examples
15. Define Expectorant and give examples
16. Define Desensitizing agents and give examples
17. What are Self-indicators? Give examples
18. Define accuracy and precision and give examples
19. What are leveling and differentiating effects?
20. Name some Indicators used for complexometric titration
21. Give the pH range of phenolphthalein and methyl orange indicators
