

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B. Pharm Degree Examination – 07-Jun-2024

Time: Three Hours**Max. Marks: 70 Marks****PHARMACEUTICAL INORGANIC CHEMISTRY (RS4)****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 impurities? Explain different sources of impurities with examples
2. What are Antacids? Classify them with structural examples. Give the ideal properties of antacids. Write the preparation, assay and uses of Aluminium Hydroxide gel
3. Discuss iodometry and iodimetry titrations with suitable examples, give reactions

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

4. Write the principle and reaction and involved in the assay of calcium gluconate
5. Explain modified Volhard's method for the determination of sodium chloride
6. How do you prepare, standardize and store a 0.1 N Perchloric acid solution? Give reaction
7. What is electrolyte combination therapy? Explain a note on ORS
8. What are expectorants? Give the method of assay of any one expectorant
9. Preparation and medicinal uses of zinc oxide and chlorinated lime
10. Give the preparation, assay and uses of boric acid
11. Write the principle, reactions and procedure involved in the limit test for Iron

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

12. What are self-indicators? Give examples
13. What is the role of acetic anhydride in preparation of perchloric acid solution?
14. Define the terms normality, molarity, molality and percentage w/v
15. What are errors? Classify them with examples
16. Write the pharmaceutical importance of Bentonite powder
17. Differentiate between accuracy and precision
18. What are anticaries? Give examples
19. Give any two medicinal uses for Nitrous oxide and Carbon dioxide
20. Role of lead acetate cotton wool in arsenic limit test
21. What is the difference between chelates and the complexes?
