

# Rajiv Gandhi University of Health Sciences, Karnataka

## I Year B. Pharm Degree Examination – 07-Jun-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? Classify with examples. Describe method of preparation and principle involved in the Assay of Hydrogen peroxide
2. Explain the principle, reactions and apparatus involved in the limit test for Arsenic
3. What are Haematinics? Describe the method of preparation, principle in the assay of Ferrous sulphate

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

4. Define and classify Antidotes. Write the mode of action of Sodium thiosulphate as an Antidote
5. Write the principle and reactions involved in the Assay of Boric acid
6. Explain the theory of acid-base indicators in detail
7. Write the procedure and principle involved in limit test for Iron
8. Add a note on electrolytes used in combination therapy
9. What is precipitation titration and give the principle involved in the assay of Sodium Chloride?
10. Write a note physiological acid base balance
11. Explain the principle involved in the complexometric titrations in detail and how will you estimate Magnesium Sulphate

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

12. Write the role of hydrogen sulphide in the limit test for lead
13. Write the storage condition and uses of Oxygen
14. Define protective and adsorbents and give examples
15. Define expectorants and give examples
16. Define Dentifrices with two examples
17. Define and classify Errors
18. Define pharmaceutical aid with two examples
19. Name two Acid-base indicators
20. What are primary and secondary standard solutions?
21. Define Masking and de-masking agents with one example

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