

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 (RS-3)****Q.P. CODE: 2605**

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. Define limit test. Describe the principle and reactions involved in the limit test for Sulphate I. P and Iron I.P.
2. What are Antacids? Classify them with examples. Give the ideal properties of antacids. Write the preparation, assay and uses of Aluminium Hydroxide gel.
3. Define and classify precipitation titrations. Discuss in detail about modified Volhard's method with an example.

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

4. What are Haematinics? Give the method of preparation, assay principle and medicinal uses of Ferrous Sulphate.
5. Write a neat labeled diagram of Gutzeit's apparatus.
6. Write the methods of expression of concentration of volumetric solutions.
7. Classify with examples of various solvents used in Non-aqueous titrations.
8. Discuss the various electrolytes used in replacement therapy.
9. Write a note on theory of acid base indicators.
10. Give the assay principle reaction and medicinal uses of Magnesium Sulphate.
11. Explain different types of errors. Write any two methods to minimize them.

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

12. Note on metal ion indicators.
13. Define expectorants with examples.
14. Define antidotes with examples.
15. Differentiate Iodimetry and Iodometry.
16. What is Barium Sulphate meal?
17. Define anticaries agents, give examples.
18. What is the indicator used in the titration of NaOH with HCl.
19. Why lead acetate cotton wool is used in the limit test for Arsenic I.P?
20. Give examples of Redox indicators.
21. Examples for pharmaceutical aids.
