

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B. Pharm Degree Examination – 05-Nov-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. Define and classify antacid. Give the method of preparation and assay for Aluminum hydroxide gel
2. What are redox titrations? Explain the preparation, assay and use of copper sulphate and hydrogen peroxide
3. a) Name the different types of solvents used in non aqueous titrations and explain their uses in different titrations
b) How do you prepare and standardize 0.1 N perchloric acid?

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

4. Write the preparation, properties, assay and category for chlorinated lime
5. Classify the various EDTA titrations and explain each one in detail
6. Describe the principle of precipitation titrations
7. Write notes on theory of indicators
8. Write the preparation, properties, storage, labeling and category for oxygen and carbon dioxide
9. Write the method of preparation, assay and use of milk of magnesia
10. Explain the neutralization curve for weak acid and strong base
11. What are dental products? Add a note on role of fluoride in preventing the dental caries

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

12. Why nitric acid is used in the limit test for chloride?
13. Why glycerin is added in the assay of boric acid?
14. What are pharmaceutical aids? Give examples
15. What is achlorhydria? Give its treatment
16. What is the role of sodium and potassium in the body?
17. What is antidote? Give example
18. What is back titration? Give example
19. **Define accuracy and precision**
20. Define antioxidant. Give examples
21. Name some indicators used in non aqueous titrations
