

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B. Pharm Degree Examination – 25-Mar-2021

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. a. Explain the neutralization curve for strong acid with strong base, weak acid with strong base.
b. Explain modified Volhard's method for the determination of sodium chloride
2. Write the principle, reaction and procedure involved in the limit tests for Sulphates and Chlorides.
3. Explain the principle and reactions involved in assay of ferrous sulfate and ammonium chloride.

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

4. Define and classify antacids with examples. Add a note on combination antacid therapy.
5. What are topical agents? Give the preparation, assay and uses of boric acid.
6. What are the applications of non-aqueous titrations in pharmaceutical analysis?
7. Explain the preparation and standardization of 0.1N KMnO_4 solution.
8. What are dentifrices? Classify them with example. Write a note on role of fluoride as anticaries agent.
9. Classify determinate errors. Explain the methods to minimize the errors.
10. Write short notes on complexometric back titration and displacement titration.
11. Differentiate between iodometry and iodimetry titrations

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

12. List the reagents used in arsenic limit test.
13. What are adsorption indicators?
14. Write the role of 2, 6-dichlorophenol indophenols in redox titrations.
15. What are antidotes? Give examples.
16. What are pharmaceutical aids? Give examples.
17. What are sequestering agents?
18. What are the ideal properties of primary standards?
19. What is back titration?
20. Write the formula and uses of ORS.
21. What is zinc eugenol cement?
