

Rajiv Gandhi University of Health Sciences, Karnataka
I Year Pharm-D Degree Examination – 04-Nov-2024

Time: Three Hours

Max. Marks: 70

PHARMACEUTICAL INORGANIC CHEMISTRY (RS2)

Q.P. CODE: 2878

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 Antacids? Classify them with examples. Give the ideal properties of antacids. Write the method of preparation and assay of Sodium bicarbonate.
2. Explain the various sources of impurities in pharmaceuticals. Discuss the importance of limit tests in quality control of pharmaceuticals.
3. What are Redox titrations? By taking a suitable example, explain the concept of redox titration by Iodimetry and Iodometry

SHORT ESSAYS (Answer any six)

6 x 5 = 30 Marks

4. Discuss the role of fluorides in dental caries.
5. Discuss the physiological acid base balance in the body.
6. What are anti-microbials? Give the method of preparation and principle in the assay of boric acid.
7. Define and classify antidotes with mechanism of any one class.
8. Explain the principle and procedure involved in the limit test of Iron.
9. Describe the precautions for storage and handling of radioisotopes.
10. What are haematinics? Give the method of preparation and assay principle of Ferrous sulphate.
11. Define astringent. Write the methods of preparation of zinc sulphate.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Define saline cathartic give examples.
13. Define radioactive half-life.
14. Biological role of sodium in the body.
15. Write the role of lead acetate cotton wool in arsenic limit test.
16. What is dentifrice agent? Give examples.
17. What are expectorants? Give an example.
18. Define accuracy and precision.
19. Write the formula and uses of ORS.
20. Write the molecular formula and medicinal uses of Sodium thiosulphate.
21. What are pharmaceutical aids? Give examples.
