

Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Degree Examination – 07-Jun-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 antimicrobials? Give the method of preparation and assay principle of hydrogen peroxide and bleaching powder.
2. Discuss types of errors with examples. Describe various methods to minimize the errors.
3. Define limit test. Write the main principle, reactions and procedure involved in the limit test for Arsenic with neat labelled diagram of Gutzeit's apparatus

SHORT ESSAYS (Answer any six)

6 x 5 = 30 Marks

4. Give the mechanism of action of adsorption indicators in Fajan's method.
5. Explain the principle for limit test for heavy metals.
6. Describe the physiological mechanism of acid base balance in the body.
7. Define and classify antidotes with examples. Write a note on activated charcoal.
8. Explain the therapeutic applications of radiopharmaceuticals in detail.
9. Write preparation and standardization of 0.1N perchloric acid solution.
10. Explain the method of preparation and assay of ammonium chloride.
11. Discuss the theory of indicators used in acid base titrations.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Write the uses of CO₂ gas.
13. Discuss the role of thioglycolic acid in iron limit test.
14. Give the composition of sodium chloride Injection.
15. What are dentifrices? Give examples.
16. Define cathartics. Give examples.
17. What are pharmaceutical aids? Give examples.
18. Define expectorants. Give examples.
19. What is back titration?
20. What are aprotic solvents? Give examples.
21. What are chelating agents? Give examples.
