

Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Degree Examination – 07-Jun-2023

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. Give principle, procedure, reactions and role of reagents involved in the limit test for
a) Iron b) Lead based on IP 1996 method
2. Name the major physiological ions and write their role in the body. Add a note on physiological acid base balance.
3. What are complexometric titrations? List out different types of complexometric titrations with examples. How do you estimate Calcium gluconate?

SHORT ESSAYS (Answer any six)

6 x 5 = 30 Marks

4. Explain iodometry redox titrations with examples.
5. Write the method of preparation and assay of Aluminium hydroxide gel.
6. What are antimicrobials? Give the method of preparation and principle in the assay of Boric acid.
7. What are primary standard? Give examples. What are the properties of primary standard?
8. What are precipitation titrations? Explain Volhard's method of estimation of halides.
9. What are dentifrices? Classify them with examples. Write a note on fluoride as anticaries agent.
10. Describe about Electrolyte combination therapy. Write the formula of ORS.
11. Define and classify errors with examples.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Define and classify antidotes with examples.
13. How do you prepare 250ml of 0.1 N Sodium hydroxide solution?
14. Define normality and molarity.
15. What are the limitations of gravimetric analysis?
16. Give the chemical formula and uses of Sodium metabisulphite and Sodium thiosulphate.
17. Enumerate the applications of radiopharmaceuticals.
18. Explain the role of lead acetate cotton in arsenic limit test.
19. Give the chemical formula of inorganic compound which act as i) Expectorant and ii) Emetic
20. What is co-precipitation and post-precipitation?
21. Explain desensitizing agents.
