

Supply

Rajiv Gandhi University of Health Sciences, Karnataka
I Year Pharm-D Degree Examination – 08-May-2025

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. Define limit tests, explain the principle, reactions and procedure involved in the limit test for heavy metals and sulphates
2. Define acids and bases, explain different theories of indicators, write the neutralization curve for strong acid versus strong base
3. Define non aqueous titrations, classify the different solvents used with examples, discuss the assay of sodium benzoate

SHORT ESSAYS (Answer any six)

6 x 5 = 30 Marks

4. Explain the various methods of expressing concentration of solutions
5. Write the principle and procedure involved in the assay of calcium gluconate by complexometric method
6. Define redox titrations, write the difference between Iodometry and Iodimetry
7. Define anticaries agents, write the role of fluoride and phosphates in preventing dental caries
8. Define and classify antacids with examples, write give the preparation and uses of milk of magnesia
9. Write the preparation, storage and uses of oxygen and nitrous oxide
10. Explain the Volhard's method of precipitation titration with advantages and disadvantages
11. Define radiopharmaceuticals. Explain the storage conditions and precautions while handling radiopharmaceuticals

SHORT ANSWERS

10 x 2 = 20 Marks

12. Explain the role of Iron and sodium in human system
13. Masking and demasking agents
14. Define Cathartics. Give an example
15. Define systemic and random errors
16. Define cerimetry and write its applications
17. Preparation and uses of boric acid
18. Define the term normality and indicator
19. Define and classify antidotes
20. Define expectorants. Give the preparations of potassium iodide
21. Define gravimetry and write any two steps
