

Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Degree Examination – 29-Nov-2022

Time: Three Hours

Max. Marks: 70 Marks

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. Write the principle, reactions and procedure involved in the limit test of Arsenic. Draw neat labelled diagram of Gutzeit's apparatus
2. What are Redox titrations? Explain the preparation, assay and uses of Copper sulphate
3. Define nonaqueous titrations, classify with examples solvents used in nonaqueous titrations. Explain the principle and reactions involved in the assay of sodium benzoate.

SHORT ESSAYS (Answer any six)

6 x 5 = 30 Marks

4. Write the principle involved in the Volhard's method of determination of halide?
5. Define and classify Antacids with examples. Add a note on combination antacid preparations (Therapy).
6. Write the preparation and assay of Hydrogen peroxide
7. Discuss the Physiological acid base balance in the body.
8. What are Primary, Secondary standard substances? Give example. Give the standardisation of 0.1N Perchloric acid.
9. Write in detail the principle for Complexometric titrations with suitable example.
10. Describe the principle and procedure of Assay by chlorinated lime.
11. What are dental products? Discuss the role of fluoride in dental caries.

SHORT ANSWERS

10 x 2 = 20 Marks

12. What are Errors? Classify them with examples
13. What is Achlorhydria?
14. Define Gravimetric analysis. Write the importance of it
15. Give the medicinal uses for Nitrous oxide and Carbon dioxide
16. Define: Saline cathartics with suitable example.
17. Physiological importance of Iron
18. Give the chemical formula and uses of Bentonite and Magnesium stearate.
19. Write the importance of thioglycolic acid in iron limit test.
20. Give any one example for Sclerosing agents & Expectorant.
21. What is meant by Radioactivity
