

Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Degree Examination – NOV 2017

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. Explain the theory of Redox titrations. Explain Iodimetry and Iodometry with example.
2. Explain major Physiological ions with their role. Explain the preparation and assay of Sodium chloride injection.
3. What are limit tests? Explain the procedure and principle involved in limit test of arsenic with a neat labeled diagram and Gutzeit's apparatus.

SHORT ESSAYS (Answer any six)

6 x 5 = 30 Marks

4. Write the preparation and assay of Sodium benzoate.
5. Explain modified Volhard's method for the estimation of halides.
6. What are Ligands? Explain the types of ligands with examples.
7. How do you prepare and standardize 500ml of N/10 Sodium hydroxide solution
8. What are Antacids? Discuss the preparation, assay and uses of Sodium bicarbonate.
9. Explain the principle and reactions in assay of Chlorinated lime.
10. Classify determinate errors. Explain the steps to minimize the errors.
11. Give the preparation and assay of magnesium sulphate.

SHORT ANSWERS

10 x 2 = 20 Marks

12. How do you prepare 100 ml of 0.1N Oxalic acid solution.
13. Define Accuracy and Precision
14. Enumerate the different steps involved in Gravimetric analysis.
15. What is the use of Glycerin in the assay of Boric acid.
16. What are Inhalants?
17. Define saline CS anesthetics give example.
18. Physiological role of Copper.
19. What are Desensitizing agents? Give example
20. What are Sedatives? Give examples.
21. Define the following terms (a) Oxidizing agent (b) Reducing agents.
