



Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Degree Examination – NOV 2016

Time: Three Hours

Max. Marks: 70 Marks

PHARMACEUTICAL INORGANIC CHEMISTRY

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 preparation, labeling and storage conditions of oxygen, carbon dioxide and nitrous oxide.
2. Describe the principle and reactions involved in the assay of Chlorinated lime and Hydrogen peroxide.
3. Write the principle and procedure involved in Mohr's and Volhard's method for the determination of chlorides.

SHORT ESSAYS (Answer any six)

6 x 5 = 30 Marks

4. Draw a neat labelled diagram of Gutzelt apparatus.
5. Write the procedure, principle and reactions in the limit test of Iron.
6. Write the principle and procedure involved in the assay of Ammonium chloride.
7. Write about different classes of pharmaceutical aids with suitable examples.
8. Define and classify antacids. What are the ideal characteristics of an antacid?
9. What are primary and secondary standards? Write the characteristics of primary standard with suitable examples.
10. Explain the various steps involved Gravimetric analysis.
11. What are essential trace elements? Explain their physiological role.

SHORT ANSWERS

10 x 2 = 20 Marks

12. What are sclerosing agents? Give examples.
13. How do you prepare and standardize 0.1 N Potassium permanganate solution?
14. What are antimicrobial agents? Give two examples.
15. Name the electrolytes used in replacement therapy.
16. Define indicators. Give two indicators used in Non-aqueous titration.
17. Write the principle in the assay of boric acid.
18. What are dentifrices? Give examples.
19. What are expectorants? Give examples.
20. What are the solvents used in Non-aqueous titrations?
21. Explain the terms "Ligands" and "Sequestering agents".
