

Rajiv Gandhi University of Health Sciences, Karnataka
First Year Pharma-D Examination - August 2010

Time: Three Hours

Max. Marks: 70 Marks

PHARMACEUTICAL INORGANIC CHEMISTRY

Q.P. CODE: 2855

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. Name the major physiological ions and write their role in the body. Add a note on physiological acid base balance
2. Define and classify precipitation titrations and give the principle involved in the assay of sodium chloride
3. Describe the principle and reactions involved in the assay of (a) Copper sulphate
(b) Potassium permanganate

SHORT ESSAYS (Answer any Six)

6 x 5 = 30 Marks

4. Write the procedure and involved in the principle assay of Magnesium Sulphate
5. Give the principle for the limit test for Lead
6. What are dental products? Discuss the role of fluorides in dental caries
7. Write the method of preparation and standardization of 250 ml of 0.1 M Sodium hydroxide
8. What are antacids? Give examples. Write ideal properties of antacid
9. Define and classify errors with examples. Write a note on accuracy
10. Describe the methods of preparation and assay of sodium bicarbonate
11. Give the principle and reactions involved in the boric acid assay

SHORT ANSWERS

10 x 2 = 20 Marks

12. Why Lead acetate cotton is used in Arsenic limit test?
13. Give the role of starch as indicator in redox titrations
14. What are anti microbials? Give two examples
15. What are Haematinics? Give examples
16. Write the composition and uses of Kaolin
17. What is the role acetic acid in the assay of Chlorinated lime?
18. Note on acidifiers
19. Define Antidotes. Give examples
20. Name the solvents used in nonaqueous titrations
21. Name the inorganic compounds used as Pharmaceutical aid
