

Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Pharm Degree Examination – Aug / Sep 2011

Time: Three Hours**Max. Marks: 80 Marks**

PHARMACEUTICAL INORGANIC CHEMISTRY (Revised Scheme - 2)

Q.P. CODE: 1955

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. Give a method of preparation and assay principle involved in (A) Copper sulphate (B) Ammonium chloride
2. Write a note on role of various electrolytes present in major intra and extra cellular electrolytes. Write in brief about physiological acid base balance
3. Give the principle, procedure, reactions, role of reagents involved in limit test for (A) Iron (B) Heavy metals based on I P method

SHORT ESSAYS (Answer any Eight)**8 x 5 = 40 Marks**

4. Give the various formulations of iodine and its specific uses
5. What are antacids? Classify them with examples. Add a note on combination therapy
6. What is gravimetry? Define Co precipitation and post precipitation with examples
7. Give the preparation and assay principle of hydrogen peroxide with its medicinal uses
8. Write a note on Lead limit test based on IP and USP method
9. What are protectives? Give the assay principle of zinc oxide
10. What are Haematinics? Give the preparation and assay principle of green vitriol
11. What are limit tests? Give the role of silver nitrate and nitric acid in the limit test for chloride
12. Give the chemical formulae and medicinal uses of: (A) Sodium bi carbonate (B) Magnesium Oxide (C) Nitrous oxide (D) Borax (E) Zinc chloride
13. Define respiratory stimulants? Give examples. Add a note on theory of indicators

SHORT ANSWERS**10 x 2 = 20 Marks**

14. Chemical formula and medicinal use of potash alum
15. ORS
16. Why acetic acid is added in the assay of chlorinated lime
17. Barium meal
18. Write a note on Fajan's method
19. Define Quality control and tests for purity
20. Name any four indicators used in non aqueous titration
21. Why glycerol is added in the assay of boric acid
22. What are acidifiers? Give example
23. What are essential trace elements? Give two examples
