

Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Degree Examination – Aug 2013

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. Describe the principle, reaction and procedure for Sulphate and Iron limit test. 5+5
2. What are Intra and Extra cellular electrolytes give examples. Write their importance and add a note on ORS 6+4
3. Define and classify Antacids along with their ideal properties. Give the methods of preparation and assay of dried Aluminium hydroxide gel. 5+5

SHORT ESSAYS (Answer any six)

6 x 5 = 30 Marks

4. Enumerate the ideal properties of primary standard substances used in volumetric analysis with examples.
5. Write briefly the steps involved in gravimetry.
6. Write the principle and reaction involved in assay of Chlorinated lime.
7. What are Inhalants? Give methods of preparation and uses of nitrous oxide.
8. What are Complexometric titrations? Write the principle and reaction involved in the assay of Calcium gluconate.
9. What are Radiopharmaceuticals? Write the precautions to be taken while handling radiopharmaceuticals.
10. What are dental products? Write the role of fluoride in dental hygiene.
11. Discuss the various methods to minimize errors.

SHORT ANSWERS

10 x 2 = 20 Marks

12. Define equivalent weight
13. Give the chemical formula of inorganic compound which acts as i) expectorant ii) sedative
14. What are Sclerosing agents. Give example
15. Differentiate between Iodo and Iodimetry.
16. Types of solvents used in non-aqueous titrations.
17. Write the role of lead acetate cotton in arsenic limit test.
18. What is the role of nitrobenzene in modified Volhard's methods?
19. Define oxidation and reduction.
20. Define Antidotes and give example
21. Complete and balance the following equations
Sodium thiosulphate + Iodine—>
Potassium iodate + Potassium iodide + +Hydrochloric acid—>
