Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharma-D Examination – June 2014

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. Explain the principle, reactions and apparatus involved in the limit test for Arsenic.
2. Define and Classify errors, Explain in details about methods of minimizing of errors.
3. Explain complexometric titration in details and how will you estimate calcium gluconate by this method.

SHORT ESSAYS (Answer any Six) **6 x 5 = 30 Marks**

4. Add a note on various types of solvents used in non-aqueous titration.
5. Write the assay & uses of Potassium permanganate.
6. What are anticaries agents? Explain the role of fluorides in preventing dental caries.
7. Define sources of impurities in pharmaceutical substances.
8. Define limit test. Write the importance of limit tests and write the principle involved in limit test for lead.
9. Define and classify antimicrobials; write the assay of Boric acid.
10. Define electrolytes. Mention the role of electrolytesin replacement therapy.
11. Define precipitation titration: write the difference between Mohr and Volhard's method of titration.

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

12. Mention the various uses of Iodine preparations.
13. Define the following (a) Dehydration (b) Antidote.
14. Define Dentifrices. Give example.
15. Iron limit test principle
16. Ammonium chloride formula, uses & storage conditions
17. Define Pure Compound & Assay.
18. Formula & uses of Ferrous glulonate
19. Four examples for Indicators
20. Write the uses of activiated Charcoal.
21. Define Medical gases. Give examples.

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