Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharm-D Degree Examination – DEC-2014

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. What is limit test? Write the principle, reactions, procedure and Gutzeit apparatus used in limit test of arsenic.
2. Define and classify expectorants. Give the method of preparation and assay of Ammonium chloride.
3. What are non aqueous titrations? Discuss the applications of non aqueous titrations. Add a note on types of non aqueous solvents.

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

4. Theory of acid-base indicators.
5. Write a note on modification in limit tests.
6. Types of complexometric titrations.
7. Add a note on neutralization curves.
8. Write the principle & reactions involved in the limit test of iron
9. What are antidotes? Classify with examples.
10. Explain various methods of minimization of errors.
11. Describe the following a) Post-precipitation
    b) Co-precipitation

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

12. Electrolyte combination therapy.
13. What are anti-oxidant agents? Give examples.
14. Role of fluoride in dental caries as an anti-caries agent.
15. Give the principle involved in the assay of Boric acid.
16. Define Molarity and Normality.
17. Write the chemical formula and uses of a) Green vitriol
    b) Bleaching powder
18. Enlist major intracellular and extracellular electrolytes.
19. Define and classify ligands.
20. Barium sulphate reagent.
21. Name four indicators used in Redox titration.

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