Rajiv Gandhi University of Health Sciences, Karnataka

I Year Pharma-D Examination - Aug / Sep 2011

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. Give the construction of apparatus used in the limit test for arsenic. Explain the principle and method employed in the limit test for arsenic
2. Define and classify errors with examples. Describe various methods of minimizing errors

3. Explain various methods of detecting end point in precipitation titrations with examples

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

4. What are pharmaceutical aids? Give the chemical formula preparation and use of sodium metablsulphite
5. Discuss the role of fluoride in dental hygiene. Give the preparation and use of sodium fluoride

6. Write the preparation, Uses and assay of chlorinated lime

7. Give the preparation and standardization of 0.1 N acetous perchloric acid

8. What are saline cathartics? Give the preparation formula and use of sodium sulphate

9. What are primary and secondary standards? What are the criteria for a substance to be classified as primary standard.
10. What are haematinics? Write the preparation and assay of ferrous sulphate

11. Explain the term achlorhydria. How is this condition treated

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

12. Define the terms normality and molarity

13. Bronsted lowery theory of acids and bases

14. What are ligands? Give examples

15. Write the storage and labeling of medicinal gas oxygen

16. Define precision and accuracy

17. What are antidotes? Give examples

18. Why glycerol is used in the assay of boric acid?

19. Calculate the gram equivalent weight of potassium permanganate

20   Write the principle involved in the assay of Sodium bicarbonate

21. what do you understand by term mEq/Litre

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