Rajiv Gandhi University of Health Sciences, Karnataka

I Year B.Pharm Degree Examination – 25-Mar-2021

Time: Three Hours **Max. Marks: 70 Marks**

PHARMACEUTICAL INORGANIC CHEMISTRY
(Revised Scheme 3)
Q.P. CODE: 2605

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. Write the principle, reactions and procedure involved in the limit test for Arsenic. Draw neat labeled diagram of Gutzeit Apparatus.
2. What are Antacids? Give the ideal properties of antacids. Discuss the preparation assay and uses of Sodium bicarbonate.
3. Define and classify Errors. Add a note on methods to minimize errors.

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

4. Give the principle and reaction involved in the limit test for Sulphate.
5. Explain the principle and reactions involved in the assay of Copper sulphate.
6. Discuss the important functions of bicarbonate and sodium ions in the body.
7. Define cathartics. Give the preparation assay and uses of Magnesium sulphate.
8. Discuss the role of fluoride in preventing dental caries.
9. Explain different methods of estimation of halide.
10. Write preparation and standardization of 0.1 N Potassium permanganate.
11. What are inhalant? Give the methods of preparation, storage, and labeling condition of Nitrous oxide.

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

12. What is Astringent? Give two examples.
13. Give the reason for the use of Glycerin in the assay of boric acid.
14. Define antimicrobial agent. List out the antimicrobial agent.
15. Give the reason for use of citric acid & ammonia in the limit test for Iron.
16. Write a note on significant figures.
17. Define term Antidotes. Give examples.
18. What are Haematinics. Give example
19. Give the brief classification of Non-aqueous titration.
20. What are Acidifiers. Give example.
21. Methods for expressing concentration of solutions.

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