

# Rajiv Gandhi University of Health Sciences, Karnataka

## First Semester B.Pharm Degree Examination – 21-Jun-2022

**Time: Three Hours****Max. Marks: 75 Marks****PHARMACEUTICAL INORGANIC CHEMISTRY****Q.P. CODE: 5004**

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

All the questions are compulsory

**LONG ESSAYS****2 x 10 = 20 Marks**

1. Write the various sources of impurities in pharmaceutical substances with suitable examples.

**OR**

Define buffers and discuss the role of buffers in pharmacy.

2. What are antimicrobial agents and give the preparation and assay for chlorinated lime.

**SHORT ESSAYS****7 x 5 = 35 Marks**

3. Write the principle and reaction involved in the limit test for chloride and lead.

**OR**

Define and classify antacid with examples and what are the ideal requirements of antacid.

4. Write the preparation, properties, assay and category for ammonium chloride.

**OR**

Name the iron compounds used as haematinic and give the assay for ferrous sulphate.

5. Discuss the measurement of radioactivity.
6. What do you understand by electrolytes combinations therapy?
7. Write the preparation, properties, storage and category for Magnesium sulphate.
8. Discuss the **principle** and reaction involved in limit test for sulphate.
9. Write a note on role of fluoride in the treatment of dental caries.

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

10. Define protective and acidifiers. Give examples.
11. Define anti caries agents. Give examples.
12. Define saline cathartic. Give examples.
13. What is the I.P limit for iron impurities?
14. How barium sulphate reagent is prepared?
15. Define antidote. Give examples.
16. Define official monograph and Test for Purity.
17. Why the lead acetate cotton wool is used in limit test for Arsenic?
18. Define Expectorant and Emetics.
19. Write the uses of sodium bicarbonate.

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