

# Rajiv Gandhi University of Health Sciences, Karnataka

## First Semester B.Pharm Degree Examination – 23-Mar-2021

**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. Define limit test. Explain various sources of impurities. Describe the principle involved in the limit test for sulphate

**OR**

What are buffers? Explain the mechanism of buffer action with an example. Briefly discuss the role of buffers in pharmacy

2. Describe the procedure and principles with reactions for the assay of a) Ferrous sulphate and b) Copper sulphate.

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

3. Write a neat labeled diagram of Gutzeit's apparatus

**OR**

Discuss the various electrolytes used in replacement therapy

4. What are Antacids? Give its classification with examples

**OR**

Explain the procedure and principle involved in the assay of the Ammonium chloride

5. What are antidotes? Give the method of preparation assay principle and medicinal uses of Sodium thiosulphate.
6. Write a note on Handling and storage of radioactive materials.
7. Write the procedure and principle with reactions for the limit test for iron.
8. Give the assay principle and medicinal uses of Chlorinated lime.
9. Write a short note on Measurement of Radioactivity.

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

10. Dentifrices.
11. What are acidifiers? Give examples.
12. Expectorants and Emetics.
13. Discuss the pharmaceutical importance of bentonite.
14. Write a note on physiological acid base balance.
15. Define antimicrobial agents. List out antimicrobial agents with formula.
16. Cyanide poisoning.
17. Define radioactivity.
18. Discuss the pharmaceutical importance of activated charcoal.
19. What is the role of Nitric acid in limit test for chloride?

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