

# Rajiv Gandhi University of Health Sciences, Karnataka

## First Semester B.Pharm Degree Examination – 09-Dec-2020

**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.

#### **LONG ESSAYS (Answer any Two)**

**2 x 10 = 20 Marks**

1. Discuss in detail the limit test for Iron and Sulphate.
2. Define and classify antacid and give the method of preparation and assay for sodium bicarbonate.
3. Discuss clinical and therapeutic application of radio pharmaceuticals.

#### **SHORT ESSAYS (Answer any Seven)**

**7 x 5 = 35 Marks**

4. Discuss the effect of impurities, on the properties of pharmaceutical substances.
5. Discuss the important functions of sodium ions in the body.
6. Write the preparation, properties, assay and category for copper sulphate.
7. What are antimicrobial agents and write a note on Iodine and its preparations.
8. Define Poison and classify antidote with suitable examples.
9. What are dental products and add a note on role of fluoride in preventing the dental caries.
10. Write the preparation, properties and assay for ferrous sulphate.
11. Define expectorants and write the assay of ammonium chloride.
12. Write a short note on acidifying agents and cathartics.

#### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

13. Why nitric acid is used in the limit test for chloride.
14. Define the term astringent and bactericidal.
15. What are emetics?
16. What do you mean by decay constant?
17. Define buffers.
18. What is test for purity?
19. Give the examples of protective and adsorbents.
20. Why is simethicone added in antacid preparation?
21. Define Limit test and monograph.
22. Write composition and uses of Ringer's solution.

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