

# Rajiv Gandhi University of Health Sciences, Karnataka

## First Semester B.Pharm Degree Examination – JUNE-2019

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. With the help of a neat labelled diagram explain the principle procedure involved in the Arsenic limit test.
2. What are anti microbials? Explain their mechanism. Write the preparation and uses of  
A) Chlorinated lime B) Hydrogen peroxide.
3. Write the principle reaction and procedure involved in the assay of copper sulphate and Ammonium chloride.

#### SHORT ESSAYS (Answer any Seven)

7 x 5 = 35 Marks

4. Define astringent. Write the preparation of Zinc sulphate.
5. Define buffers. Derive Henderson-Hasselbatch equation for buffers.
6. Write a note on physiological acid base balance.
7. Write the principle and the reaction for iron limit test. Give the role of ammonia and citric acid.
8. What is saline cathartic? Write its mechanism of action. Give the preparation of any one cathartic.
9. Write a note on radio pharmaceuticals.
10. Write a note on antidotes.
11. Define dentifrices. Discuss the role of fluoride in dentistry
12. Write a note on storage and handling of radiopharmaceuticals.

#### SHORT ANSWERS

10 x 2 = 20 Marks

13. Give the method of preparation of kaolin.
14. Write the reaction for lead limit test.
15. Composition of ORS.
16. Write the preparation of calcium carbonate.
17. Combination of antacids.
18. Define haematinics with example.
19. Write the use of Thioglycolic acid in iron limit test.
20. Define Expectorant with example.
21. Write the limit test for sulphate.
22. Define emetics with example.

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