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Total No. of Printed Pages: 1

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B. Pharmacy (Semester – 1st)
PHARMACEUTICAL INORGANIC CHEMISTRY
Subject Code: BP104T
Paper ID: 17170104

Time: 03 Hours

Maximum Marks: 75

Instruction for candidates:

1. Section A is compulsory. It consists of 10 parts of two marks each.
2. Section B consist of 9 questions of 5 marks each. The student has to attempt any 7 questions out of it.
3. Section C consist of 3 questions of 10 marks each. The student has to attempt any 2 questions.

Section – A

(2 marks each)

Q1. Attempt the following:

- a. Why Dilute Hydrochloric acid is added in the limit test for sulphates?
- b. Give the principle of limit test of chloride.
- c. Define expectorant with example.
- d. Define half life.
- e. Define Astringent with example
- f. Give the formula for chlorinated lime and its use
- g. Give the properties of alpha, beta and gamma rays.
- h. Calculate 0.01 M Hydrochloric acid pH.
- i. Define cathartics. Give examples.
- j. Classify antacids with examples.

Section – B

(5 marks each)

- Q2. Explain mechanism of action of antimicrobials.
- Q3. Describe role of fluoride in dental caries
- Q4. Give a brief account on procedure for limit test of iron.
- Q5. Define emetics. Explain the assay of copper sulphate
- Q6. Discuss the Pharmaceutical applications of Radioactive substances in detail.
- Q7. Describe the ideal properties of antacids also give the preparation of sodium bicarbonate
- Q8. Write the preparation and assay of sodium thiosulphate
- Q9. Give various methods to measure tonicity.
- Q10. Give a short note on dental products.

Section – C

(10 marks each)

- Q11. Write a note on radio activity and its measurement in detail.
- Q12. Give a detail account on sources and types of impurities.
- Q13. Define electrolytes. Give the functions of major physiological ions in detail.