Roll No…….. **Total No. of Printed Pages: [01]**
Total No. of Questions: [13]

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) Define Buffer Capacity
b) Define Half life
c) Define Expectorant with example
d) Give the structure of Calcium gluconate and its use
e) Define Isotonicity
f) Write the formula for Seignette salt and its use
g) Define Cathartics with examples
h) Give the preparation for Hydrogen Peroxide
i) In limit test for sulphates why small quantity of potassium sulphate used.
j) Give two properties of Gamma radiations

Section – B **(5 marks each)**

Q2. Explain limit test for Chlorides.
Q3. Give the Preparation and Assay of Sodium thiosulphate.
Q4. Describe the mechanism of Antimicrobials
Q5. Write a note on role of fluoride in the treatment of dental caries
Q6. Define Antacid with examples. Give the ideal properties of Antacids
Q7. Write a short note on measurement of radioactivity
Q8. Give the formula for ORS. Discuss its importance
Q9. Describe the Preparation and Assay of Ammonium Chloride
Q10. Give an account of Emetics

Section – C **(10 marks each)**

Q11. Define Limit test. Explain in detail the limit test for Arsenic along with equations and neat labeled diagram.
Q12. Write short note on a) Haematinics b) Sources and types of impurities. (4+6)
Q13. Define Electrolytes. Discuss in detail functions of major physiological ions in electrolytes.