Roll No……..….. **Total No. of Printed Pages: 1**

Total No. of Questions: [12]

Pharm. D (Year – 1st)

PHARMACEUTICAL INORGANIC CHEMISTRY

Subject Code: PDBP105

Paper ID: [17180105]

Time: 03 Hours **Maximum Marks: 70**

Instruction for candidates:

1. Section A contains SEVEN questions carrying TWO marks each and student has to attempt any FIVE questions.
2. Section B contains EIGHT questions carrying FIVE marks each and student has to attempt any SIX questions.
3. Section C contains THREE questions carrying FIFTEEN marks each and student has to attempt any TWO questions.

Section – A **(2 marks each)**

Q1. Attempt all questions

a) Define antidote. What antidote is used in heavy metal poisoning?
b) Define an error. What are the different types of error?
c) Write about electrolyte replenishes.
d) What are expectorants? Write the mechanism of action with examples.
e) What is ORS? Give its composition.
f) Give the general procedure for the limit test for sulphates.
g) Define pharmaceutical aids.

Section – B **(5 marks each)**

Q2. Write a note on acid base concept.
Q3. What are radio pharmaceuticals? Write about its clinical applications.
Q4. Classify antacids? Write about the methods of preparation, assay and uses of calcium gluconate.
Q5. Write a short note on essential trace elements.
Q6. Explain how the end point is detected in complex metric titrations.
Q7. Write a note on theories of indicators.
Q8. Discuss the role of sodium fluoride in dental caries.
Q9. Explain redox titrations.

Section – C **(15 marks each)**

Q10. Define antimicrobial agents. Write a note on the preparation, mechanism of action and uses of any two antimicrobial agents.
Q11. What are radio pharmaceuticals? Write about its properties and units for its measurements.
Q12. Define gravimetry? Explain various steps involved in gravimetry with one example.