

DO NOT WRITE ANYTHING ON YOUR QUESTION PAPER EXCEPT YOUR ROLL NO. QUESTION PAPER CONTAINING ANYTHING WOULD BE TREATED AS MALPRACTICE

Answer the questions serially and continuously

Subject: PHARMACHEMISTRY-I (Theory)

Full Mark -80

Time -3 hrs

(Answer any five questions including question No.1)

1. **(A) Write the chemical formula & uses of the following** (5x2)
(i) Aluminium Hydroxide ii) Bleaching Powder iii) Epsom Salt iv) Caustic Sode
v) Sodium Metabisulphite
- (B) Define the following terms :** (5x2)
i) Expectorants ii) Deliquescent iii) Protective iv) Antiseptics
v) Purgatives vi) Deodorant vii) Normality viii) Acidosis
ix) Antioxidant x) Bactericidal
2. a) What is Oral Rehydration Salt ? Discuss the mechanism involved in acid base balance. (2+5)
b) What are emetics ? Write about their characteristics. Write the preparation, properties (1+2(2¹/₂x2) and used of Copper Sulphate & sodium potassium tartrate.
3. a) Write down properties, uses & storage condition of the following compounds: (3¹/₂x2)
i) Hydrogen peroxide ii) Sodium thiosulphate
b) Write short notes on Anticaries Agent (4)
c) Explain only the principle of limit test for chorides (4)
4. a) Define limit test. Write down the principle, procedure & apparatus used in the limit test for heavy metals (6)
b) Enumerate the method of preparation, physical & chemical properties & uses of Iodine. Briefly describe about different preparations of Iodine. (6+3)
5. a) Explain Bronsted-Lowry & Arrhenius concept of Acid-Base theory. (3+3)
b) What do you mean by Buffer Solutions & Buffer Capacity & Write a note on application of Buffers in Pharmacy. (5)
c) Describe about tests for purity. (4)
6. **Write notes on following compounds (Any three)** (3x5)
i) Ferrous Sulphate ii) Calcium Gluconate
iii) Potassium Iodide iv) Hypophosphorous acid
7. a) Defibne and classifuy gastrointestinal agents. Describe each class with suitable examples. (10)
b) Short note on combination of antacids. (5)


