

Enrollment No: _____ Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2022

Subject Name: Pharmaceutical Inorganic Chemistry - Theory

Subject Code: BP104T

Branch: B.Pharm

Semester: 1

Date: 16/03/2023

Time: 10:30 To 01:30

Marks:75

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

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- Q-I Explain the following terms: (20)**
1. Pharmacopoeia 02
 2. Inorganic Impurities 02
 3. Limit Test 02
 4. Arrhenius Acid and Base theory 02
 5. Dentifrices 02
 6. Antiseptic and Disinfectant 02
 7. Chlorinated lime 02
 8. Lugol's Iodine 02
 9. Laxatives and Purgatives 02
 10. Megaldrate 02
- Q-II Attempt any two: (20)**
1. What is Buffer? Selection criteria of buffer for use in Biological research. 10
 2. Write a detailed note on Sodium Chloride as an electrolyte (Molecular formula, Methods for preparation, assay and medicinal uses). 10
 3. Write complete chemistry of Ammonium Chloride. 10
- Q-III Attempt any seven: (35)**
1. Explain limit test for Chloride. 05
 2. What is tonicity? Explain Hemolytic method to calculate the tonicity. 05
 3. Write a short note on ORS. 05
 4. Write Assay and uses of Sodium Bicarbonate. 05
 5. Write Assay and uses of Hydrogen Peroxide. 05
 6. Write short note on Bentonite. 05
 7. What are Antacids? Give 4 ideal characteristics of Antacids. 05
 8. Write a note on Expectorants. 05
 9. Give Pharmaceutical application of radioactive substances. 05

