

GUJARAT TECHNOLOGICAL UNIVERSITY**B. Pharm. - SEMESTER– I• EXAMINATION – WINTER -2019****Subject Code: BP104TP****Date: 07/01/2020****Subject Name: Pharmaceutical Inorganic Chemistry****Time: 10:30 AM TO 01:30 PM****Total Marks: 80****Instructions:**

1. Attempt any five questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1** (a) Write note on following: a) Astringents. b) Haematinics. **06**
(b) Write a brief note on Oral Rehydration Salt. **05**
(c) Explain: Electrolytes. Describe electrolyte combination therapy. **05**
- Q.2** (a) Discuss anticaries agents and desensitising agent with examples as dental products. **06**
(b) What is Pharmacopoeia? Write a brief note on monograph. **05**
(c) Explain: Expectorants and Emetics. **05**
- Q.3** (a) Write principle, reaction and apparatus used in limit test for Arsenic. **06**
(b) What is impurity? Discuss sources of impurities. **05**
(c) Write limit test for Iron. **05**
- Q.4** (a) What is buffer? Give pharmaceutical applications of buffer. **06**
(b) Enlist various theories of acid base. Discuss any one with examples. **05**
(c) What is isotonic solution? Discuss methods used for measurement of tonicity and methods of adjusting tonicity. **05**
- Q.5** (a) Give synonym and uses of the following inorganic pharmaceuticals: **06**
a) Precipitated chalk b) Baking soda c) Lugol's solution d) Rochelle salt
e) Green vitriol
(b) Discuss storage conditions, precautions and pharmaceutical application of radioactive substances. **05**
(c) What is radioactivity? Write a note on measurement of radioactivity. **05**
- Q. 6** (a) Write assay principle and uses of: a) Sodium chloride b) Hydrogen peroxide. **06**
(b) Write types of antacids. Discuss combinations of antacids. **05**
(c) Classify antimicrobial agents. Write brief about Iodine and its preparations as antimicrobial agent. **05**
- Q.7** (a) Define antidotes. Write a note on antidotes in poisoning with examples **06**
(b) Write short note on Saline cathartics. **05**
(c) Give preparation, assay principle and use of ferrous sulphate. **05**
