

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.

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| 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:
a) Precipitated chalk b) Baking soda c) Lugol's solution d) Rochelle salt
e) Green vitriol | 06 |
| | (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 |
