

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER- 1 EXAMINATION – SUMMER -2019

Subject Code: BP104TP**Date: 07-06-2019****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) Discuss the source of Impurities. **06**
 (b) Write down principle of Limit test of chloride and sulphate. **05**
 (c) Draw the Gutzeit apparatus. **05**
- Q.2** (a) Explain various acid-base theories. **06**
 (b) What is antacid? Write ideal properties of antacid. **05**
 (c) Write short note on pharmacopoeia? Brief on Indian Pharmacopoeia. **05**
- Q.3** (a) Define limit test. Write a detailed note on limit test of Iron. **06**
 (b) Write synonyms of following compounds **05**
 1) Graham salt 2) Rochellet salt 3) Green Vitriol
 4) Chlorinated lime 5) Precipitated Chalk
 (c) Write short note on dental products. **05**
- Q.4** (a) What are major intracellular and extra cellular electrolytes? Discuss the biological significance of calcium and Sodium. **06**
 (b) Write a note on electrolyte combination therapy. **05**
 (c) Write a short note on ORS. **05**
- Q.5** (a) Define following terms **06**
 1) Preservatives 2) Bactericidal 3) Adsorbent
 4) Astringent 5) Anti –Oxidant 6) Protectives
 (b) Write short note on antidote. **05**
 (c) What is haematinic? Write preparation and use of Ferrous Sulphate. **05**
- Q.6** (a) What is radio activity? Explain any one measurement method of radioactivity. **06**
 (b) Write down clinical application of various radiopharmaceuticals. **05**
 (c) Write assay of following compounds **05**
 1) Ammonium Chloride
 2) Hydrogen peroxide
- Q.7** (a) Give Difference of following. (any two) **06**
 1) Emetic v/s expectorant.
 2) Hyponateremia v/s Hypernateramia.
 3) Antiseptic v/s Disinfectant.
 (b) Write note on cyanide poisoning and its treatment. **05**
 (c) Write note on Cathartics. **05**
