

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.

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|-------------|--|-----------|
| 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) Hyponatremia v/s Hypernatremia. | |
| | 3) Antiseptic v/s Disinfectant. | |
| | (b) Write note on cyanide poisoning and its treatment. | 05 |
| | (c) Write note on Cathartics. | 05 |
