

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

B. Pharmacy Sem - 1st Regular / Remedial Examination January. 2011

Subject code: 210003

Subject Name: Pharmaceutical Chemistry-I

Date: 07 /01 /2011

Time: 10.30 am – 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) Define Limit test. Write a detailed note on limit test for iron. | 06 |
| | (b) Write a note on physiological acid base balance. | 05 |
| | (c) Define antacids. Give the requirements for an ideal antacid. | 05 |
| Q.2 | (a) Write a detailed note on sources of impurities in pharmaceuticals. | 06 |
| | (b) Write a note on Gutzeit test. | 05 |
| | (c) Give an account on hypernatremia and hyponatremia. | 05 |
| Q.3 | (a) Give an account on biochemical importance of iron. | 06 |
| | (b) Write a note on cyanide poisoning and its treatment. | 05 |
| | (c) Define: 1. Emetics, 2. Protectives, 3. Astringents, 4. Adsorbents, 5. Buffer. | 05 |
| Q.4 | (a) Define antidotes. Classify them along with examples. | 06 |
| | (b) Write a note on chelating agents used in therapy. | 05 |
| | (c) Give an account on precautions to be taken while handling and storage of radiopharmaceuticals. | 05 |
| Q.5 | (a) Give an account on method of preparation and uses of hydrochloric acid. | 06 |
| | (b) Write a note on diluents as pharmaceutical aid. | 05 |
| | (c) Give an account on clinical applications of radio pharmaceuticals. | 05 |
| Q. 6 | (a) Give an account on physiological functions of calcium and diseases associated with it. | 06 |
| | (b) Write a note on antioxidants. | 05 |
| | (c) Write a note on GM counter. | 05 |
| Q.7 | (a) Give method of preparation and category of following compounds. | 06 |
| | 1. potassium chloride | |
| | 2. silver nitrate | |
| | 3. sodium bromide | |
| | (b) Give a detailed account on uses of ammonium chloride. | 05 |
| | (c) Give an account on cathartics. | 05 |
