

Seat No.: _____

Enrolment No. _____

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

Subject Code: 210003**Date: 30-05-2019****Subject Name: Pharm Chemistry - I****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 importance of limit test in Pharmacy. Explain the principle involved in the limit test of arsenic. **06**
- (b) Define and classify topical agents with suitable examples. Give preparation, Assay and uses of ZnO. **05**
- (c) Write in detail about different type of waters. **05**
- Q.2** (a) Give an account on biochemical importance of calcium. **06**
- (b) Write a note on 'handling and storage of radioactive materials. **05**
- (c) Discuss physiological acid base balance. **05**
- Q.3** (a) Define antacids. Describe Al (OH)₃ gel as an antacid. **06**
- (b) Give a brief account for any one saline cathartic. **05**
- (c) Give brief account on Oral Rehydration Salt. **05**
- Q.4** (a) Write a note on Anti-oxidant. Explain preparation and uses of sodium thiosulphate. **06**
- (b) Give an informative note on dental products. **05**
- (c) Define the following terms with suitable example. **05**
- I. Cathartics
- II. Preservatives
- III. Sedative
- IV. Deliquescent
- V. Expectorants
- Q.5** (a) Write note on Respiratory stimulants and Expectorant **06**
- (b) Define antidote. Give properties and preparation of Sodium Nitrite **05**
- (c) Define buffer capacity. Give brief account on hard and soft acid base concept. **05**
- Q. 6** (a) Write a note on GM counter. **06**
- (b) Write a note on diluents as pharmaceutical aid. **05**
- (c) Write a note on- combinations of antacid preparations. **05**
- Q.7** (a) Discuss the sources of impurities in pharmaceuticals. **06**
- (b) Write a note on chelating agents used in therapy. **05**
- (c) Give a brief note on Indian Pharmacopeia **05**
