Seat No.:	Enrolment No.

## GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER - VI (OLD).EXAMINATION - WINTER 2016

ject Code: 160502	Date: 26/10/2016
ject Code: 100502	Date: 20/10

**Subject Name: Chemical Process Industries-II** 

Time: 02:30 AM to 05:00 PM Total Marks: 70

## **Instructions:**

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.

Q-1(a)	Discuss classification of various pharmaceutical products with examples.	07
Q-1(b)	Discuss manufacture of sugar from sugar cane with neat sketch.	07
Q-2(a)	Discuss manufacture of Nitrobenzene with neat sketch.	07
Q-2(b)	With neat sketch and chemical reactions, discuss production of Aspirin.	07
	OR	
Q-2(b)	Discuss manufacturing process of Chrome blue black dye with neat diagram.	07
Q-3 (a)	Define following (a) Analgesic drug (b) Massecuite. (c) Antipyretics drug (d) PVC of paint (e) Chromophore (f) Chromogen (g) Dye (h) Blackstrap molasses	07
Q-3 (b)	Write short note on : Role of Vitamins in human life. OR	07
Q-3(a)	Define" Antibiotic" . Discuss with neat diagram manufacture of Penicillin.	07
Q-4(a)	Write brief note on Pigments.	07
Q-4(b)	Describe application of industrial coatings.	07
	OR	
Q-4(b)	Explain beer manufacture with a suitable flow diagram.	07
Q-5(a)	Discuss production of industrial alcohol by fermentation process.	07
Q-5(b)	Write short note on classification of dyes.	07
	OR	
Q-5(a)	Describe manufacturing process of citric acid by fermentation process.	07
Q-5(b)	How Butyl alcohol is produced ? Discuss in detail.	07