

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER – VI (OLD).EXAMINATION – WINTER 2016

Subject Code: 160502

Date: 26/10/2016

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) Masecuite. (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.	07
OR		
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