Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE- SEMESTER 1^{st} / 2^{nd} EXAMINATION (OLD SYLLABUS) - SUMMER - 2017

Subject Code: 110001		Date:30/05/2017	
Ti	me:2 tructio	Attempt any five questions. Make suitable assumptions wherever necessary.	Total Marks: 70
Q.1	(a) (b)	Explain internal treatment for prevention of scales formation. Explain Zeolite process with its advantages and disadvantages.	. O'
Q.2	(a) (b)	What is desalination? Explain any one method by giving neat s Explain deionization process for treatment of water.	sketch. 0'
Q.3	(a) (b)	Write short notes on: Annealing and Hardening. Write a notes on pitting corrosion.	0′
Q.4	(a) (b)	Explain proximate analysis of coal. Define biogas. Explain the manufacturing process of biogas.	0′
Q.5	(a) (b)	Explain the mechanism of fluid and boundary lubricants. Explain the manufacturing process of Portland cement.	0′
Q.6	(a) (b)	Write a note on setting and hardening of Portland cement. Explain addition polymerization with examples.	0′
Q.7	(a) (b)	Describe the process of melt spinning and wet spinning. Explain the manufacturing process of ethyl alcohol by ferment	0' ation. 0'
