Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE (SPFU) - SEMESTER-I-II (SPFU) - EXAMINATION - SUMMER 2017

Subject Code: BSC001 Date: 30/05/2017

Subject Name: CHEMISTRY

Time:02:30 PM to 05:30 PM **Instructions:**

1. Attempt any five questions.

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

Q.1	(a) (b)	Give preparation, properties and use of Terylene and Polythene. Explain types of polymerization reaction with suitable examples.	07 07
Q.2	(a) (b)	Explain zeolite process for water treatment. Explain problem which arise due to use of hard water in boilers.	07 07
Q.3	(a) (b)	Write a short note on LPG. Why CNG preferred over LPG? Give classification of Fuel.	07 07
Q.4	(a) (b)	What is the purpose of alloy making? Give classification of alloys. What do you meant by fermentation? Explain it in brief.	07 07
Q.5	(a) (b)	What is corrosion? Explain in details dry corrosion. What is green chemistry? Explain in brief.	07 07
Q.6	(a) (b)	Describe ferrous and non ferrous alloys in details. Explain factors affecting on corrosion.	07 07
Q.7	(a) (b)	Discuss X- ray diffraction in brief. What is battery? Write a short note on fuel cell.	07 07

Total Marks: 70