Seat No.:	Enrolment No.
Deat 1 1011	

GUJARAT TECHNOLOGICAL UNIVERSITY BE (SPFU) - SEMESTER-I-II (SPFU) - EXAMINATION – SUMMER 2017 Subject Code: TEE010 Date: 16/06/2017				
T	•	10:30 AM to 01:00 PM	Total Marks:	70
	2.	Attempt any five questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.		
Q.1	(a) (b)	Compare renewable energy sources with non renewable energy so Discuss the advantages of renewable energy sources.	ources.	07 07
Q.2	(a) (b)	Explain different renewable energy sources development in India. Discuss the advantages and disadvantages of solar energy.		07 07
Q.3	(a) (b)	Explain basic bio-conversion mechanism. Discuss site selection criteria for wind power generation. advantages and disadvantages of wind energy.	Also explain	07 07
Q.4	(a) (b)	Explain Solar Photovoltaic system with neat diagram. Explain types of wind mills. Discuss the characteristics of wind go	enerators.	07 07
Q.5	(a) (b)	Explain solar thermal systems with its applications. Explain role of tidal energy in generation of electrical power.		07 07
Q.6	(a) (b)	Explain microhydel system with its operating principle. Explain OTEC energy for power generation.		07 07
Q.7	(a) (b)	What is wind farm? Explain wind generator with its characteristic Write name of various renewable energy sources. Also discuss the between different renewable energy sources.		07 07
