Seat No.:	Enrolment No.

GUJARAT TECHNOLOGICAL UNIVERSITY

BE SEMESTER- 1st / 2nd (SPFU) EXAMINATION - WINTER 2016

Subject Code: ENG001 Subject Name: Engineering System		Date:27/01/2017		
Tir	ne:1 ructio 1. 2.	0:30 AM TO 1:00 PM	Total Marks: 7	' 0
Q.1	(a) (b)	Enlist the selection criteria for construction of bridge site. Explain classification of bridges.		07 07
Q.2	(a) (b)	Explain active power, reactive power & apparent power with use Explain importance of earthing.	nits.	07 07
Q.3	(a) (b)	What is transducer? Explain types of transducers. Explain the difference between FUSE and MCB.		07 07
Q.4	(a) (b)	Draw the communication system, block diagram and explain detail. Explain illumination with its unit.	n each block in	07 07
Q.5	(a) (b)	Explain feedback phenomenon in details with necessary block What is Refrigerant? Discuss properties of good refrigerant	diagram.	07 07
Q.6	(a) (b)	Explain with neat sketch the working of a vapor compress system. What is capacitor and capacitance? Also derive equation of capacitor.	-	07 07
Q.7	(a) (b)	Write the unit of current, inductance, capacitance and potential What is the value of form factor? Explain importance of digital signal processing. What are the digital signal processing.		07 07
