GUJARAT TECHNOLOGICAL UNIVERSITY B. E. - SEMESTER – VII • EXAMINATION – WINTER 2012

•	Subject code: 170204Date: 27/12/2012Subject Name: Automobile Mechanical Measurements		
Time: 10.30 am - 01.00 pm Total Marks: 7			0
 Instructions: 1. Attempt any five questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. 			
Q.1	(a)		07
	(b)	systematic error and random error ?Explain various factors to be considered for selection of measuring instruments ? Differentiate: precision and Accuracy.	07
Q.2	(a) (b)	1	07 07
	(b)	-	07
Q.3	(a) (b)		07 07
Q.3	(a)		07
	(b)		07
Q.4	(a)	Explain with neat sketch, measurement of effective diameter by two wire method for screw measurement.	07
	(b)		07
Q.4	(a)		07
Q.4	(b)		07
Q.5	(a) (b)		07 07
Q.5	(a) (b)	Explain the principles of thermocouples stating an illustrations.	07 07
