GUJARAT TECHNOLOGICAL UNIVERSITY BE SEMESTER-IV • EXAMINATION – SUMMER 2015

Subject Code: 143402 Date:01/06/ Subject Name: Metrology and Computer Aided Inspection			/06/2015	
	Time: 10.30AM-01.00PMTotal Marks:			
 Instructions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks. 				
Q.1	(a) (b)		07 07	
Q.2	(a) (b)		07 07	
	(b)	OR State types of vernier calipers and explain its working principle .What is L.	C.? 07	
Q.3	(a) (b)		07 07	
		OR		
Q.3	(a) (b)		07 07	
Q.4	(a) (b)	•	07 07	
OR				
Q.4		Explain the concept involved in POKA-YOKE.	07 07	
	(b)	Explain Quality assurance .and Quality	07	
Q.5	(a)	What do you mean by image analysis in image processing?	07	
-	(b)	What is a Graw scale model? Explain its application in measurement.	07	
		OR		
Q.5	(a)	Define total quality control. Explain how it is important in measurement?	07	
	(b)	Write short note on interchangeability.	07	
