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GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII(NEW) EXAMINATION – SUMMER 2019				
Subject Code:2172507 Date:14/0			/2019	
Subject Name:Quality Engineering & Management Time:02:30 PM TO 05:00 PM Total Marks: 70				
				Instructions:
		Attempt all questions.		
		Make suitable assumptions wherever necessary.		
	3.	Figures to the right indicate full marks.		
			MARKS	
Q.1	(a)	What is quality circle?	03	
Q.1	(a) (b)	What is importance of Benchmarking in improving quality?	03 04	
	(c)	Write a short note on TQM.	07	
	(0)		07	
Q.2	(a)	What is service?	03	
-	(b)	What is service quality management?	04	
	(c)	Classify different quality characteristics for service.	07	
		OR		
	(c)	Classify different quality characteristics for product.	07	
Q.3	(a)	What is internal failure?	03	
	(b)	Explain quality assurance.	04	
	(c)	What is prevention cost? Explain which are the main cost that form	07	
		prevention cost. OR		
Q.3	(a)	What is external failure?	03	
Q	(b)	Explain quality audit.	04	
	(c)	What is appraisal cost? Explain which are the main cost that form	07	
	(-)	appraisal cost.		
Q.4	(a)	What is variable quality characteristic?	03	
	(b)	Differentiate between attribute and variable quality characteristic.	04	
	(c)	Explain PDCA cycle in detail.	07	
		OR		
Q.4	(a)	What is sampling?	03	
	(b)	Explain double sampling plan.	04	
	(c)	Explain Strategic Quality Framework.	07	
Q.5	(a)	What is patent?	03	
2.0	(b)	List different intellectual properties.	04	
	(c)	Write a short note on Six-Sigma.	07	
	(-)	OR	<i>.</i>	
Q.5	(a)	What is copyright?	03	
	(b)	What is the importance of IPR.	04	
	(c)	Explain seven quality tools in detail.	07	
