GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VII EXAMINATION – SUMMER 2016				
Subject Code:172504 Date			ate:18/05/2016	
Subject Name: Quality Management & Reliability Engineering				
Time:02:30 PM to 05:00 PM Total Marl		70		
Instructions:				
 Attempt all questions. Make suitable assumptions wherever necessary. 				
3. Figures to the right indicate full marks.				
Q.1	(a)	Write a short note on Total Quality Management.	07	
	(b)	Explain Total Productive Maintenance with regard to quality improvement.	07	
Q.2	(a)	What is Quality? Which are seven tools to improve quality? Write a brief note on Pareto chart.	07	
	(b)	Explain Bath Tub Curve for reliability and maintenance. OR	07	
	(b)	Explain house of quality for quality function deployment.	07	
Q.3	(a)	What is six-sigma? How does it contribute to quality management?	07	
	(b)	Explain ISO 9000 for quality management.	07	
Q.3	(a)	OR Write a brief note on Poka-Yoke for defect free production.	07	
2.0	(b)	Explain ISO 14000 for quality management.	07 07	
Q.4	(a)	Explain MTTF and MTTR with regard to quality improvement.	07	
•	(b)	Write a short note on India's Quality Journey.	07	
0.4		OR Write a bast of the Dhillin Courted's contribution for multitudent states	07	
Q.4	(a) (b)	Write a short note Phillip Crosby's contribution for quality management. Explain the cost of quality model.	07 07	
Q.5	(a)	Draw a conceptual frame work for or strategic quality management.	07	
	(b)	Explain PDCA cycle for quality improvement.	07	
05	(a)	OR What is IPR? What is its importance?	07	
Q.5	(a) (b)	Explain patent, copyright, industrial design and trademark with example.	07 07	
