Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

BE – SEMESTER – VIII.EXAMINATION – WINTER 2016

Subject Code: 182502 E Subject Name: Recent Advances in Manufacturing			
	ruct	02:30 PM to 05:00 PM tions: 1. Attempt all questions. 2. Make suitable assumptions wherever necessary. 3. Figures to the right indicate full marks.	
•	a) b)	What is ERP? Explain ERP for different types of manufacturing system. Explain zero inventory concepts.	07 07
•	a) b)	Write a short note on 5S. Describe the role of supply chain in manufacturing activity. OR	07 07
(1	b)	Write a short note on Toyota Production System.	07
•	a) b)	Explain the implementation process of ERP. Differentiate between value analysis and value engineering. OR	07 07
`	a) b)	What do you understand by optimizing the transport network with subject to supply chain? Differentiate between E-commerce and E-Manufacturing.	
Q.4 (a	a) b)	Write a short note on pull production using Kanban concept. Write a short note on single minute exchange of dies. OR	07 07 07
•	a) b)	How does Poka-Yoke improve manufacturing function? Explain. Write a brief note on Kaizen.	07 07
•	a) b)	Explain different models of supply chain. Explain the role of Management Information System in organization. OR	07 07
•	a) b)	How does Japanese Manufacturing approach distinguish with Western's? Describe the stages of value analysis.	07 07
