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## **GUJARAT TECHNOLOGICAL UNIVERSITY** BE - SEMESTER-VIII EXAMINATION – SUMMER 2016

Subject Code:182502 Subject Name: Becont Advances in Manufacturing		Code:182502 Date: 05/05/20 Name: Recent Advances in Manufacturing	Date: 05/05/2016	
Tir	ne:1 tructio 1. 2.	0:30 AM to 01:00 PM Total Marks: ons: Attempt all questions.	70	
Q.1	(a) (b)	What is Single Minute Exchange of Dies (SMED)? In the context of SMED explain internal and external setup. In Gujarat which city is suitable for manufacturing textile industries and diamond cutting .Justify your answer with possible factors which will affecting the selection of city among other cities of Gujarat.	07 07	
Q.2	(a) (b)	Differentiate Rural V/S Urban site selection. Explain 7 types of wastes with respect to JIT <b>OR</b>	07 07	
	<b>(b)</b>	Write a note E-Commerce.	07	
Q.3	(a) (b)	Explain the MIS and Production Operation System. Explain role of Supply Chain in management and its different model's with neat sketch.	07 07	
Q.3	(a) (b)	<b>OR</b> Which hardware and software are required for implementing the ERP? Is the software useful to organization? How? List various techniques of transportation and explain any one with suitable illustration.	07 07	
Q.4	(a) (b)	Explain different ERP modules and their implementation procedure. Write a short note on KAIZEN. <b>OR</b>	07 07	
Q.4	(a) (b)	Write a short note on JIDOKA. Explain TPS with suitable illustration.	07 07	
Q.5	(a) (b)	Explain the concept and stage wise procedure of Value Engineering (VE). What is the meaning of 5S? Apply this concept to a modern hospital and state the results.	07 07	
Q.5	(a) (b)	<b>OR</b> Compare the Value Analysis and Value Engineering. Carry out cost reduction in an industry of your choice applying the value analysis theory	07 07	

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