Seat No.: _____ Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE – SEMESTER–VIII • EXAMINATION – SUMMER • 2014

Subject Code: 183403 **Date: 03-06-2014**

Subject Name: Modern Manufacturing Practices

Time: 10.30 am - 01.00 pm **Total Marks: 70**

Instructions:

1. **Attempt all questions.**
2. **Make suitable assumptions wherever necessary.**
3. **Figures to the right indicate full marks.**

Q.1	**(a)**	Explain the Schonberger model of World Class Manufacturing	**07**
	(b)	Explain the Hall's frame work of value added manufacturing.	**07**
Q.2	**(a)**	Discuss the Gunn's model of World Class Manufacturing.	**07**
	(b)	Explain the Just in Time Manufacturing System in detail.	**07**
		OR	
	(b)	Write a short note on Rapid Prototyping	**07**
Q.3	**(a)**	Explain Toyota Production System.	**07**
	(b)	What do you understand by Value Stream Mapping?	**07**
		OR	
Q.3	**(a)**	Explain the PO-P system.	**07**
	(b)	What is the AMBITE system of performance? Explain in detail.	**07**
Q.4	**(a)**	Discuss the TOPP system of performance measurement.	**07**
	(b)	Explain Significance of Human Resource Dimensions in Modern Manufacturing Practices.	**07**
		OR	
Q.4	**(a)**	Write a short note on Flexible Manufacturing Systems (FMS)	**07**
	(b)	What do you understand by Clean Manufacturing?	**07**
Q.5	**(a)**	Write a short note on Statistical Quality Control.	**07**
	(b)	Describe case study of any one of the Indian company which is practicing modern manufacturing techniques	**07**
		OR	
Q.5	**(a)**	Explain Green Manufacturing	**07**
	(b)	Explain Lean and Agile manufacturing	**07**

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