Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-VIII • EXAMINATION – SUMMER 2014

Subject Code: 182502Date: 31-05-2014Subject Name: Recent Advances in Manufacturing			
Time: 10:30 am TO 01:00 pm Total Marks: 70 Instructions:			
Instruc	1. 2.	:: Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Explain briefly the concept of ERP. How does ERP help to achieve business	07
	(b)	integration? Explain the concept of supply chain. Discuss its importance in overall performance improvement of the organization.	07
Q.2	(a) (b)	Which are the seven wastes of JIT? Discuss them in brief. Discuss various subsystem of Human resource module of typical ERP package. OR	07 07
	(b)	Explain the inventory management subsystem of manufacturing module of a typical ERP package.	07
Q.3	(a)	"Value Analysis is a remedial process while Value Engineering is a preventive process"- Discuss.	07
	(b)	Explain in brief the methods for improving forecasts in supply chain management. OR	07
Q.3	(a) (b)	Define value. State how it can be increased? Describe the various types of values. 'POKAYOKE' helps in defect free production'- explain	07 07
Q.4	(a) (b)	Write a short note on E-commerce. Explain how material flow is controlled using KANBAN on the shop floor? OR	07 07
Q.4 Q.4	(a) (b)	Explain external setup and internal setup in context of SMED. List and explain various modes of transport.	07 07
Q.5	(a) (b)	State and explain various stages of ERP lifecycle. Explain Value Analysis procedure.	07 07
Q.5	(a) (b)	OR Explain the importance of employee involvement in implementation of KAIZEN. Explain the sources of information collection for an ERP.	07 07
