Seat No.: _____

Enrolment No._____

GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER- VIII • EXAMINATION - SUMMER 2015

Subject Code: 183402			Date: 11/05/2015	
		ct Name: Information Technology in Manufacturing 10.30AM-01.00PM Total Marks: 70		
Ι	nstru	ctions:		
		 Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. 		
Q.1	(a) (b)	Write the advantages of Computer Aided Process Planning (CAPP). Write the types of CAPP and explain the operations of CAPP software. Write the various phases involved in Product Lifecycle system.	07 07	
Q.2	(a) (b)	Define Group Technology. Explain any one Group Technology Layout with neat sketch. Write down the steps to be taken to control of Inventory. Explain BOM.	07 07	
	(b)	OR Distinguish between Concurrent Engineering & Sequential Engineering.	07	
Q.3	(a) (b)	Write the role of Internet and Information Technology in Manufacturing Engineering. Define B2C & B2B. Write the difference between B2C & B2B. OR	07 07	
Q.3	(a) (b)	Write short notes on PLM. Explain with suitable example. Write short notes on PDM. Explain with suitable example.	07 07	
Q.4	(a) (b)	Explain ERP with suitable example. Explain the major objectives of Material Requirement Planning. OR	07 07	
Q.4	(a) (b)	Write short notes on virtual manufacturing. Explain Global Product and Product Complexity.	07 07	
Q.5	(a) (b)	Explain the role of MPR –II in Manufacturing Industry. Write the applications of MRP Software.	07 07	
	(b)	Write short notes on Supply Chain Management. Explain with suitable example. OR	0/	
Q.5	(a) (b)	Define Extended Enterprises. Describe wide product visualization. Explain about changing design approaches.	07 07	
