Seat No.:	Enrolment No.

## GUJARAT TECHNOLOGICAL UNIVERSITY M.E -I<sup>st</sup> SEMESTER-EXAMINATION - JULY- 2012

Subje	Subject code: 710803N Date: 09/0		7/2012	
•		lame: Computer Aided Production Management		
Time	Time: 2:30 pm – 05:00 pm Total Ma		rks: 70	
Instr	ucti	ons:		
		empt all questions.		
		ke suitable assumptions wherever necessary.		
3.	Figu	res to the right indicate full marks.		
Q.1	(a)	Explain Rank order clustering technique.	07	
	<b>(b)</b>	Explain Bond energy method.	07	
Q.2	(a)	Explain benefits of group technology	07	
	<b>(b)</b>	Explain OPITZ coding system.	07	
		OR		
	<b>(b)</b>	Explain the Time series method of forecasting.	07	
Q.3	(a)	•	07	
	<b>(b)</b>	What are the benefits of computer aided process planning? Explain generative type of process planning.	07	
		OR		
<b>Q.3</b>	(a)	What are the objectives of MRP? Discuss in brief.	07	
	<b>(b)</b>	What are the main features of ERP?	07	
Q.4	(a)	Explain job sequencings.	07	
	<b>(b)</b>	Discuss the important benefits of computer aided quality control. <b>OR</b>	07	
Q.4	(a)	Discuss the different types of manufacturing simulations.	07	
<b>~··</b>	(b)	How shop floor data collection system is important? What are the	07	
	(,,,	devices used for shop floor data collection.		
Q.5	(a)	Explain manufacturing resource planning.	07	
	<b>(b)</b>	Explain analytic hierarchy approach.	07	
		OR		
Q.5	(a)	Explain linear regression method of forecasting.	07	
	<b>(b)</b>	What are the objectives of production flow analysis? Explain various steps involved in it.	07	

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