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	the take according the operator input decrease are the			
	Question Paper Code: 40798			
M.E./M.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2013				
MF 5	5102 - COMPUTER INTEGRATED MANUFACTURING SYSTEMS			
	(Regulations 2017)			
Time: Thre	1. 100 mark			
	Answer ALL questions.			
	PART A — $(10 \times 2 = 20 \text{ marks})$			
	te the terms zoom and pan.			
	nguish between reflection and scaling transformation.			
	t is the difference between automation and CIM?			
	is simplex and duplex?			
	is the main difference between hierarchical and attribute code structure			
	do you meant by cellular manufacturing?			
	the different stages of shop floor control.			
	are the various types of layouts used in FMS design?			
	e agile manufacturing.			
10. What	are the benefits of lean manufacturing?			
	PART B — $(5 \times 13 = 65 \text{ marks})$			
	Explain the suitable example, how a solid model is generated using boundary representation and write the advantages and disadvantages o solid modeling.			
	Or			

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			(b)		Consider a point $P(3,2)$ in a coordinate plane. Perform the point "P" through y axis and through x axis.	eflection of	
c				(ii)	Discuss about the operator input devices used at the workstation.	ne graphics (6)	
		12.	(a)		neat sketch explain the seven layer of OSI model orking in CIM).	(Computer	
					WETERHERINEWAY NOTANIMAKA ADBROWL LOT	MEM	
			(b)	Expla	ain the components of local area network and network to		
		10	()	(*)	D. L. L. D. L. L.	10)	
		13.	(a)	(i) (ii)	Explain about Parts classification coding. Describe about the OPTIZ coding system.	(6)	
. 111				(11)		(1)	
					Or Mondo		
			(b)	Expl	ain in detail about production flow analysis.		
		14.	(a)	Expl	ain about factory data collection system.		
					Or		
2			(b)	Expl	ain about the bar code printers and RFID with its applica	ation.	
1		15.	(a)	Writ	e a short notes on :		
				(i)	Cost planning and control	(7)	8
	2			(ii)	Inventory Management	(6)	
					on the state of the property of the state of		
			(b)	With	n neat sketch explain in detail about direct digital control		-
					PART C — $(1 \times 15 = 15 \text{ marks})$		
		16	(a)	Disc	uss the benefits of Computer Aided Process Planning	(CAPP) and	
41		10.	(a)		ain CAPP approaches in detail.	(CAII) and	
					Or an analysis stage		
			(b)	TEXES 200	lain the objectives, principles, tools and various concurrence.	ept of Lean	
					*		
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							2
							15