

Code: 15ME62T

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VI Semester Diploma Examination, Nov./Dec. 2018

COMPUTER INTEGRATED MANUFACTURING

Time: 3 Hours]	Max. Marks : 100		
Note: (i) Answer any six from Part – A and seven from Part – B. (ii) All dimensions are in mm only.	y :		
PART – A	1		
1. List ten strategies for Automation and production system.	.		
2. State any five benefits of CIM.	5		
3. List any five features of CNC.	FOXY ORO		
4. List the important parts and aspects of CNC machines to be	considered in their		
designing BETA CONSOLE	The second secon		
5. (a) Define CNC part programming.	2 2		
(b) State the functions of automatic tool changers in CNC mac			
6. Explain with sketch the methods of dimensioning the drawings	for part production in		
CNC.	57		
7. Compare between direct and indirect measuring system used in C	CNC machine tool. 581		
8. State any five necessities of antifriction linear motion guide	eways used in CNC		
machine tool.	5		
9. List out the five important technical features required for impro-	ving the performance		
capability of a robot.	5		

Fig. (A)

Write a part programme using subroutine for the following component shown in figure (B).

