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VI Semester Diploma Examination, April/May-2018

COMPUTER INTEGRATED MANUFACTURING

Time: 3 Hours | [Max. Marks: 100

Note: (i) Answer any six questions from Part – A.

(ii) Answer any seven questions from Part – B.

	Manual Ma	OLE
	PART – A	$6\times 5=30$
1. 4	List any five benefits of Automation. Beta Console Edu	- [All Branchess]
2.	State the benefits of CIM.	musica (a) 5
3.	Define DNC and sketch the General configuration of DNC Diploma Que:	stion Papers [2015-
4.	Explain Direct and Indirect Tool Monitoring	a salida anno 5
5.	Explain the methods of Dimensioning System.	5
6.	Define (i) Machine Zero, (ii) Work Zero, (iii) Tool home position.	5
7.	List the applications of Group Technology.	5
8.	Explain OPTIZ coding system.	5
9.	List the different types of End Effectors used in Robots.	5

1 of 4

[Turn over

Construct a Part Program for the following component shown in Figure – 2. 10

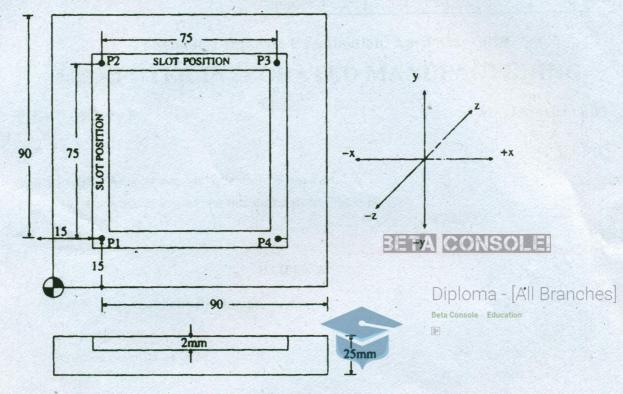


Figure - 2

Diploma Question Papers [2015-19]

Explain: (i) Retrieval type Computer aided process planning.

- (ii) Generative type Computer aided process planning. 10
- Sketch and explain Rectangular coordinate Robot. 19. (a) 5
 - Make use of sketch explain six degrees of freedom in Robot arm. (b) 5