First Ranker. (a) Write two G and two www. (b) What are different using geometrical specials what is FMS? Write two G and two what is FMS?																
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0	(8)	Э	<u>@</u>	(b)	$\hat{\mathbf{c}}$	<u>б</u>	(a)	:: Atte		ne:3 l	c	(SEN		Paper ID :	ollow	Printed I
-	What is FMS?	What are diffe using geometr	Write two codes part programming	Write two G a	Elaborate proc	What is DNC,	Write types of automation.	mpt all question		ours]	MPUTER AI	A. VII) THEOF		: 187751	ing Paper ID	Pages: 4
(£)	What is FMS? Write its importance.	What are different ways of defining line and pla using geometrical statement of APT language?	Write two codes for canned cycle used part programming.	Write two G and two M codes used in CNC.	Elaborate product development cycle	how it differs fr	automation.	ons	Section-A	- i	COMPUTER AIDED MANUFACTURING	(SEM. VII) THEORY EXAMINATION, 2015-16	B.Tech.	Roll No.	ınd Roll No. to Answer Book)	151
P.T.O	tance.	What are different ways of defining line and plane, using geometrical statement of APT language?	cycle used in CNC	used in CNC.	nt cycle.	What is DNC, how it differs from CNC system?		(10×2=20)		Total Marks:100]	CTURING	1ON, 2015-16			Following Paper ID and Roll No. to be filled in your Answer Book)	EPL-031/EME-031

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What is cellular manufacturing?

o (i) State the advantage of CAI
co (ii) Write the name of Robot pu
an Section-B
str
Wote: Attempt any five Questions:
w

State the advantage of CAPP.

Write the name of Robot programming languages

Section-B

(5x10=50)

of operator in CNC system. are responsible for eliminating and reducing the activities Discuss the parameters in detail and neat sketches which

conrol and co-ordinate.system. Classify and explain NC system on the basis of Types of

Ą State and explain different types of statement used in

Explain them What are distinct approach of adoptive control system?

write its advantage. Elaborate various types of sensor used in robot. Enlist Discuss the principle of variant process planning, also

S

classification? What is production flow analysis? What is group technology? Define coding and

2

EPL-031/EME-031

19050

(3)

P.T.O.

various applications and limitations of robot.

臣 Define computer aided process planning. Discuss its various types with example.

Section-C

Attempt any two questions:

 $(2 \times 15 = 30)$ 

shown in fig. Assume suitable data for speed and feed Write a NC part program to machine the part program as

Home Position
(-2,0,0) 2.000 2.000 4.000 6.000 4.000 4×m,×p

of 200 mm is material of component is mild steel component on Lathe, length of component is 600 mm What is APT? Write an APT Program to turn a cylindrical assume other missing data. and diameter 100mm, 125 mm and 160mm at equidistant

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