|       | Printed Pages: 4  Ans  Paper ID: 187751  First  COMPUTER AIDED  Firstranker's choice  (d) Write types of auto  (e) Write two G and two  part programming.  (f) What are different vusing geometrical s  (g) What is FMS? Write |  |  |   |                                     |  |                            |                      |           |                   |                              |  |         |          |  |                  |
|-------|--|--|--|---|-------------------------------------|--|----------------------------|----------------------|-----------|-------------------|------------------------------|--|---------|----------|--|------------------|
| 9050  | Firstranker's choice   |  |  |   |                                     | www.FirstRanker.com                          |                            |                      |           |                   | www.Firs ker@onc.            |  |         |          |  |                  |
| 0     | (g)  | (f)  | (e)  | (d)                                     | (c)                                 | (b)  | (a)                        | e: Atte              |           | ne:3 ł            | CC                           | (SEN                                   |         | er ID    | ollow  | nted F           |
|       | What is FMS  | What are diffe using geomet  | Write two codes part programming                               | Write two G                             | Elaborate pro                       | What is DNC                                  | Write types o              | mpt all questi       |           | ours]             | MPUTER A                     | 1. VII) THEO                           |         | : 187751 | ing Paper ID   | Printed Pages: 4 |
| (1)   | What is FMS? Write its importance.   | erent ways of de<br>rical statement  | des for canned ning.   | Write two G and two M codes used in CNC | Elaborate product development cycle | , how it differs                             | Write types of automation. | ons                  | Section-A |                   | COMPUTER AIDED MANUFACTURING | RYEXAMINA                              | B.Tech. | Roll No. | (Following Paper ID and Roll No. to<br>e<br>Answer Book) | 151              |
| P.T.O | rtance.  | What are different ways of defining line and plane, using geometrical statement of APT language? | Write two codes for canned cycle used in CNC part programming. | s used in CNC.                          | ent cycle.                          | What is DNC, how it differs from CNC system? |                            | $(10 \times 2 = 20)$ |           | [Total Marks:100] | ACTURING                     | (SEM. VII) THEORY EXAMINATION, 2015-16 |         |          | o be filled in your                                      | EPL-031/EME-031  |

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Section-B

 $\Xi$ 

 $\Xi$ 

What is cellular manufacturing?

9 State the advantage of CAPP Write the name of Robot programming languages.

Note: Attempt any five Questions:

(5x10=50)

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

APT. State and explain different types of statement used in

Explain them. What are distinct approach of adoptive control system?

write its advantage.

<u>5</u>

What is group technology? Define coding and Elaborate various types of sensor used in robot. Enlist

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

Discuss the principle of variant process planning, also

various applications and limitations of robot

classification? What is production flow analysis?

 $\mathfrak{D}$ 

EPL-031/EME-031

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

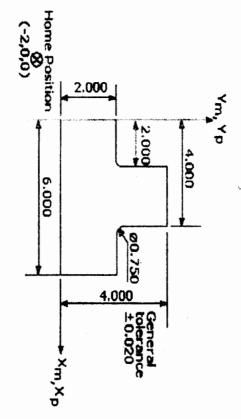
## Section-C

Attempt any two questions:

a)

 $(2 \times 15 = 30)$ 

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



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

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