

Q.31 Differentiate between CNC & DNC.

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Q.32 Give a brief Introduction to FMS systems?

**4th Sem / Production**

**Subject : Computer Aided Manufacturing**

**SECTION-D**

Time : 3 Hrs.

M.M. : 100

**Note:** Long answer type questions. Attempt any three questions out of four questions. 3x10=30

**SECTION-A**

**Note:** Objective type questions. All questions are compulsory (10x1=10)

Q.33 Explain NC Actuation system.

Q.1 Define CAD.

Q.34 Explain types of Adaptive Control systems.

Q.2 M.C.V stands for .....

Q.35 Define CAPP? Explain its types.

Q.3 Define CNC.

Q.36 Explain FMS with neat sketch? Also Explain types of F.M.S.?

Q.4 Name any cutting parameter of Turning operation.

Q.5 Define cutting parameter D.O.C.

Q.6 Define CAPP.

Q.7 FMS stands for \_\_\_\_\_.

Q.8 Explain any one function of Transducer.

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Q.9 GOO Code in CNC is for \_\_\_\_\_.

Q.10 Name any one tool material.

### SECTION-B

**Note:**Very short answer type questions. Attempt any ten questions out of twelve questions. 10x2=20

Q.11 Give two application of computers in manufacturing?

Q.12 Name any two M-Codes with function.

Q.13 Differentiate between Linear & Circular Interpolation.

Q.14 Define Part family.

Q.15 Name any two types of F.M.S.

Q.16 Define Computer Aided Scheduling.

Q.17 Define Geometric Transformation.

Q.18 Define Adaptive Control system.

Q.19 Define Manufacturing Line.

Q.20 Define Single Point Cutting Tool.

Q.21 Explain in brief components of DNC.

Q.22 Define Generative process planning?

### SECTION-C

**Note:**Short answer type questions. Attempt any eight questions out of ten questions. 8x5=40

Q.23 Explain manufacturing Line with neat sketch.

Q.24 Explain types of NC machine tools.

Q.25 Explain problems with Conventional NC.

Q.26 Explain Concept of Group Technology.

Q.27 List some advantages of CAPP.

Q.28 Explain sequencing & scheduling in FMS.

Q.29 Give some benefits of using CAM.

Q.30 Explain NC motion Control system.

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