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Total No. of Pages : 01

Total No. of Questions : 08

M.Tech.(PE) (Sem.-1)

**COMPUTER AIDED DESIGN & MANUFACTURING**

Subject Code : PE-505

Paper ID : [E0445]

Time : 3 Hrs.

Max. Marks : 100

**INSTRUCTIONS TO CANDIDATES :**

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

- Q1 a) Discuss in general the CAD/CAM content and tools.  
b) Discuss the history of CAD/CAM development.
- Q2 Discuss any three output devices used in CAD/CAM system.
- Q3 Discuss the hardware component and configuration of microprocessor-based CAD/CAM system.
- Q4 Discuss parametric representation of analytical curve using suitable example.
- Q5 Discuss what do you mean by assembly modelling and tolerancing.
- Q6 Explain what is a solid model? Discuss its design and engineering applications.
- Q7 Discuss various types of transformations using suitable 2-D examples.
- Q8 a) What is a part program? Discuss its component.  
b) Discuss what is tool path generation in part programming?