

Total No. of Pages : 01

Total No. of Questions : 08

M.Tech.(CAD/CAM) (Sem.-1)
COMPUTER AIDED DESIGN
Subject Code : ME-501
Paper ID : [E0862]

Time : 3 Hrs.

Max. Marks : 100

INSTRUCTION TO CANDIDATES :

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

- Q1 Discuss using suitable examples the need of hardware and software in CAD/CAM applications.
- Q2 Discuss the differences between parametric and analytical curves and surfaces.
- Q3 What is a solid model, explain using diagram and explain the term analytic solid modeling?
- Q4 Discuss the role of various data exchange formats in CAD/CAM.
- Q5 Discuss using suitable example how geometry and mass property formulations are done in design projects with CAE?
- Q6 Discuss the basic design process using suitable diagram and explain the role of computers in it.
- Q7 Write a short note on Reverse Engineering Tools.
- Q8 What is Geometric modelling? Explain using suitable example how it helps in constructing solid geometry.