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Question Paper Code :

ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES
(AUTONOMOUS)
M.E/M.Tech I-Semester Regular Examinations, November 2015
INTEGRATED COMPUTER AIDED DESIGN
(MACHINE DESIGN)

Date:

Time: 3 hours

Max Marks: 60

Answer ONE Question from each Unit
All Questions Carry Equal Marks

All parts of the question must be answered in one place only

UNIT-I

1. Explain applications of computers for Design. (12)

OR

2. Classify the computer system based on their Hardware. (12)

UNIT-II

3. a) Define Geometry, Topology and computer model. (6)
b) Explain AUTO CAD Tools for Solid modeling. (6)

OR

4. a) Explain the entities in wireframe modeling Technique (6)
b) Explain the entities in surface modeling Technique (6)

UNIT-III

5. a) Explain Graphic User Interface (GUI) for shading and coloring. (6)
b) Briefly discuss about Layers, Groups and Geometric modifiers. (6)

OR

6. a) Explain about Dragging and Rubber banding (6)
b) Discuss about Visual realism and color models. (6)

UNIT-IV

7. a) Explain about Engineering animation in detail. (6)
b) Explain about conventional animation in detail. (6)

OR

8. a) Explain the mating conditions used in assembly modeling. (6)
b) Explain about Assembly modeling and part modeling. (6)

UNIT-V

9. a) Explain about Limits, fits and tolerances. (6)
b) Explain about Fundamental deviations in detail. (6)

OR

10. a) Explain about mass properties formulation for basic solids. (6)
b) Explain Geometrical property formulation of curve length and cross-sectional area (6)