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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. a) Explain the benefits of CAD. (6)
b) Briefly explain about CAD tools, CAM tools and CAD/CAM tools (6)

UNIT-II

3. a) Explain the various Boolean operations for drawing 3D model. (6)
b) Explain about entities in wire frame modeling technique. (6)

OR

4. Briefly explain about the Auto CAD tools for solid modeling. (12)

UNIT-III

5. a) Explain about coloring and color models (6)
b) Briefly discuss about Layers and grids and groups. (6)

OR

6. a) Explain about Dragging and Rubber banding (6)
b) Discuss about shading solids and geometric modifiers. (6)

UNIT-IV

7. a) Explain about the animation techniques in detail. (6)
b) Explain about types of animation in detail. (6)

OR

8. a) Explain the mating conditions used in assembly modeling. (6)
b) Explain about Liaison-sequence analysis. (6)

UNIT-V

9. a) What are various types of geometric tolerances. (6)
b) Explain about tolerance analysis in detail. (6)

OR

10. Describe the methodology for determination of moment of inertia of any solid. (12)