

Roll No

MVSE-105

M.E/M.Tech., I Semester

Examination, December 2016

Computer Aided Design

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. Explain various CAD applications in civil engineering. Discuss features of 3D max software.
2. What is structure in C? Write various steps to create a simple structure with an example.
3. Briefly explain loops and arrays with example.
4. Explain co-ordinate systems used in generating drawing in CAD with the help of examples.
5. a) What is the significance of ribbon and palette in Auto CAD? Explain various components of ribbon.
b) What are layers in Auto CAD? How they are helpful in organizing the drawings?
6. Discuss the dimensioning commands like linear, aligned, ordinate, radius, diameter, angular, leader, oblique.

7. What are various 3D modeling and analysis software majorly used in civil engineering? Explain important features of any one software package.
8. Discuss various phases of program execution.
 - a) Preprocessing
 - b) Compilation
 - c) Linking and loading
 - d) Execution

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