

MVSE - 105  
M.E/M.Tech., I Semester  
Examination, December 2014  
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. Explain features of 3D max Software.
2. Describe wire frame modeling and surface modeling. Give examples.
3. Explain co-ordinate systems used in generating drawing in CAD with the help of examples.
4. Write four most important commands used for converting 2D drawing into 3D drawing and explain three features of 3D max Software.
5. Compare Object Oriented Programming with other procedural programming approaches. Give salient features of OOPs.
6. a) What is data hiding in OOPs? In what ways data is hidden. Explain with programming example.  
b) What is a class in OOPS? Make a class employee with the details viz Name, Age, Sex, Address, Basic pay and write a program to print the pay slip in OOPs?
7. Write a program to add two complex numbers using operator overloading.
8. Explain in brief the term Polymorphism. What are the different types of polymorphism. Write with examples- to support your answer.