

**RGPVONLINE.COM**

Roll No .....

**MVSE - 105**

**M.E/M.Tech., I Semester**

Examination, June 2014

**Computer Aided Design**

*Time : Three Hours*

*Maximum Marks : 70*

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

1. What is an array? How a matrix can be developed using array and write a program for multiplication of two matrices.
2. a) Discuss the role of computer aided design in Civil Engineering.  
b) Give a program to compute and print area and perimeter of a triangle and trapezium and volume of a cone.
3. What do you understand by class in C++? Write a class declaration for above mentioned book structure. What do you understand by constructor and destructor? Write the constructor and destructor function in class book.
4. Describe the dimensioning commands like linear, aligned, ordinate, radius, diameter, angular, leader, oblique.
5. Discuss various phases of program execution.  
i) Preprocessing                      ii) Compilation  
iii) Linking and loading              iv) Execution

6. Write the different modify commands used in Auto CAD and explain briefly any four of them.
7. Write short notes on the following:  
a) Function key  
b) Looping structure with examples  
c) Layer command  
d) Object oriented programming
8. Write note on the following  
a) Computer aided drafting  
b) Computer graphics

\*\*\*\*\*

**RGPVONLINE.COM**