Total No. of Questions :8]   [Total No. of Printed Pages :2

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Roll No ....

MVSE-105
M.E/M.Tech., I Semester
Examination, June 2016
Computer Aided Design
Time : Three Hours

Maximum Marks : 70

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

1. a) What do you understand by Arithmetic and Relational Operator used in C++ programming language? Explain.

   b) Write a programme to add two matrices in C++ programming language. Also explain 'Array'.

2. a) Define terms 'Pointer' and 'Constructer and Destructor'.

   b) What is 'Switch' statement? Also explain 'If-else' statement.

3. a) Explain the term 'Inheritance'. Also explain its various types.

   b) What do you understand by 'function' in a C++ programming language? Also explain call by value and call by reference parameters.

4. Define various terms :
   a) Classes
   b) Layer Command
   c) Pure Virtual function and
   d) While and Do loop

5. a) How Computer Aided Design Software has a very important role in Structural Engineering? Give a list of various latest software used in Civil Engineering.

   b) What do you understand by Object Oriented Programming Languages? Explain clearly.

6. Describe following terms in Auto CAD :
   a) Modify commands
   b) Do-Nut command and
   c) Chamfer command

7. Write short notes on any two :
   a) 3D commands in any 3D modeling software
   b) Any five commands of AutoCAD with detailed explanation.

8. List out various commands of any latest software in sequence to draw a layout of School building (only ground floor) by assuming any suitable dimensions.

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