

MVSE-105**M.E./M.Tech., I Semester**

Examination, December 2017

Computer Aided Design**Time : Three Hours****Maximum Marks : 70****Note:** i) Attempt any five questions.

ii) All questions carry equal marks.

iii) Assume suitable data if required with the reference.

1. Explain the basic concept of Geometric and solid modelling used in CAD application. 14
2. Discuss the role of AutoCAD in civil engineering design. 14
3. Write a computer program for design detailing of RCC column footing. 14
4. Describe the abstraction mechanism in OOP. Explain overriding and exceptions. 14
5. Describe the overloading inheritance. Develop a program to explain the inheritance by key word final. 14
6. Write any ten commands of AutoCAD used for drawing and developing in 2D and 3D. 14

MVSE-105

PTO

7. Explain the following : 14
 - i) Preprocessing
 - ii) Execution
 - iii) Virtual functions
 - iv) Object oriented programming language
8. Explain the following : 14
 - i) Computer graphics
 - ii) Computer aided drafting
 - iii) Function key
 - iv) Layer command

MVSE-105