

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Winter Examination-2019

Subject Name : Computer Aided Drawing

Subject Code : 4TE07CAD1

Branch: B.Tech (Civil)

Semester : 7

Date : 20/11/2019

Time : 10:30 To 01:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q-1 Attempt the following questions:

(14)

- a) Mention the applications of AutoCAD.
- b) State the 2D features of AutoCAD.
- c) Define Undo.
- d) Enlist the uses of Extend command in AutoCAD?
- e) What is meant by plotting in AutoCAD?
- f) Give the uses and benefits of AutoCAD?
- g) What is meant by Wipe-out?
- h) Define Erase.
- i) What are the advantages of 3D in AutoCAD?
- j) Mention the features of Trim command.
- k) Write the uses of dimensional constraints in AutoCAD.
- l) List the advantages of 3D drafting in AutoCAD.
- m) Define Mirror.
- n) What is the use of Delete command in AutoCAD?

Attempt any four questions from Q-2 to Q-8

Q-2 Attempt all questions

- (a) Define ARC command and the different ways of drawing the ARC command. **(07)**
- (b) Mention the common shortcut command in AutoCAD with its description. **(07)**



- Q-3 Attempt all questions**
- (a) Explain how to construct a rectangular array and polar array with a suitable example. **(07)**
 - (b) Describe the Chamfer and Break command in AutoCAD. **(07)**
- Q-4 Attempt all questions**
- (a) Discuss the command Hatching and gradient fill in AutoCAD with a neat sketch. **(07)**
 - (b) Explain layers in detail with options available under it in AutoCAD. **(07)**
- Q-5 Attempt all questions**
- (a) How to write text in AutoCAD and explain it with an example. **(06)**
 - (b) Discuss the block command in detail and its uses in drawing. **(04)**
 - (c) What are the input options available in AutoCAD and explain it in detail. **(04)**
- Q-6 Attempt all questions**
- (a) Explain the procedure to add printer, create a page setup, print layouts in AutoCAD. **(06)**
 - (b) Describe the Properties Palette with an example of editing an object using it. **(04)**
 - (c) Describe the command UCS ICON in AutoCAD. **(04)**
- Q-7 Attempt all questions**
- (a) Mention the step by step procedure for how to use object snap in AutoCAD. **(06)**
 - (b) Explain the polyline command in AutoCAD 3D with suitable example. **(04)**
 - (c) Discuss the various options of 3D surfaces in AutoCAD with suitable examples. **(04)**
- Q-8 Attempt all questions**
- (a) Explain and create a simple 3D objects from 2D objects with a neat example. **(06)**
 - (b) Describe the commands Hide and Shade variable in 3D AutoCAD. **(04)**
 - (c) Enumerate how to create a rectangular or cubical solid box in AutoCAD 3D. **(04)**

