# C. U. SHAH UNIVERSITY
## Winter Examination-2021

**Subject Name : Computer Aided Drawing**

**Subject Code : 4TE07CAD1**        **Branch: B.Tech (Civil)**

**Semester: 7**     **Date: 16/12/2021**     **Time: 02:30 To 05:30**     **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)** | What is Auto CAD? | (1) |
| | **b)** | What is isometric view? | (1) |
| | **c)** | What is perspective view? | (1) |
| | **d)** | What is 3D view? | (1) |
| | **e)** | How to open file in Auto CAD? | (1) |
| | **f)** | Define Erase. | (1) |
| | **g)** | Define Move. | (1) |
| | **h)** | What is orthographic view? | (1) |
| | **i)** | Define Copy. | (1) |
| | **j)** | How to write text in AutoCAD? | (1) |
| | **k)** | Define Trim | (1) |
| | **l)** | How to measure dimension in Auto CAD? | (1) |
| | **m)** | Define Extend. | (1) |
| | **n)** | Define Polygon. | (1) |

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

| **Q-2** | | **Attempt all questions** | **(14)** |
|---|---|---|---|
| | **(a)** | Explain Plot Area and Built up Area with Sketch. | **(7)** |
| | **(b)** | Explain various inputs option in AutoCAD. | **(7)** |

| **Q-3** | | **Attempt all questions** | **(14)** |
|---|---|---|---|
| | **(a)** | Explain the layer command in detail with its types and example | **(7)** |
| | **(b)** | Explain the command Origin using AutoCAD with an example | **(7)** |

| **Q-4** | | **Attempt all questions** | **(14)** |
|---|---|---|---|
| | **(a)** | | **(7)** |
| | | Describe the commands Hide, Shade and Shadedge variable in 3D | |

AutoCAD.

**(b)** Describe the different options of 2D solids and 3D faces in AutoCAD with suitable examples. **(7)**

**Q-5** **Attempt all questions** **(14)**
**(a)** Write difference between 2D View and 3d View in AutoCAD. **(7)**
**(b)** Explain 2D Features of AutoCAD. **(7)**

**Q-6** **Attempt all questions** **(14)**
**(a)** Explain the various options of 3D surfaces in AutoCAD with suitable examples. **(7)**
**(b)** Explain Arc command with sketch. **(7)**

**Q-7** **Attempt all questions** **(14)**
**(a)** How to create solids and surfaces in AutoCAD 3D with examples. **(7)**
**(b)** How to convert mesh created from other objects in 3D AutoCAD with an example. **(7)**

**Q-8** **Attempt all questions** **(14)**
**a)** Enlist various command used in Top View Drawing. Explain any two in detail **(7)**
**b)** Draw a building plan with front elevation of a residential building with an area of 1500 Sq.ft. **(7)**