# EDD

## Assignment-3

Ques 1- What is autocad? Write 6 different application of autocard.

Soln -> Autocard is a computer aided tool that allows many different types of designers to create diverse kinds of drawing & design. This program helps the quikly that ly Land and offers, many quikly, easy and ungu features such as copy and paste.

# Aerospace - satelite space vehicals, missiles and aircrafts are produced in the aerospace industry. Autocad sample drawings play an important role in the first step of design process, because any one of these process cost a million of dollars. The details are throughly planned with the autocad software before starting work on final products.

**Automotive** - complex designs and software are required in all aspects of automotive designing CAD is used to build prototype, circulatory boards engins, tires and so on.

# Architecture: Before beginning with the definite construction project, building have to planned properly. 2D and 3D plans are designed using CAD. Schematically of offices, houses and various other commercials buildings all designed as well using CAD.

# Civil Engineering: Metropolitan planners use CAD software to plan infrastructure projects such as bridges, office complex, industries units and so on.

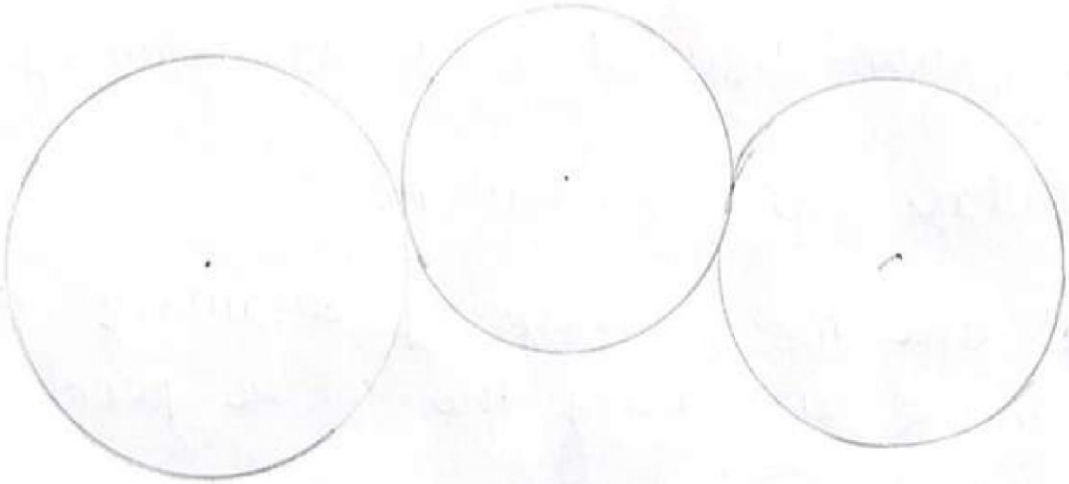
# site :- CAD software is used by land scapes to conceptions great outdoor setting and find the proper placement of component like fences, gardens, trees and others.

Ques.2 :- Explain different ways of drawing
i) Circle
ii) circular arc in Autocad

Ans:- There are many ways of drawing a circle, the default being the center point of circle and radius either on typing the command circle or selecting it from a menubar
a) Center point and radius
b) Center point and diameter.

c) 3P :- The specific three points on circumference of a circle. There is a unique circle passing through three given non-collinear points.

d) 2P :- This specifies the end points of diameter.



circle. tangent, tangent, radius

ii)

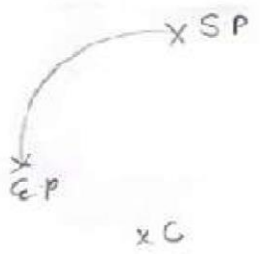
Circle or ARC :- The command is used to draw an arc accurately different ways are :-

a) 3point cor : The arc is drawn by specific 3points on the chord arc.

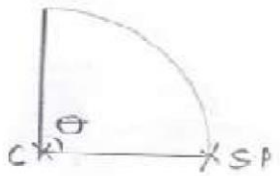
b) Start-Center :- This option needs to start point and centre point of an arc.

c) Start-end :- This option asks the user to center the start and end points of an arc. The arc is by specifying radius of included angle.


3 point are - start, 2nd point and point




Center point, start point, end point




Center point, Start point, included angle.

Qus:- Write use of following modify commands mirror, arrays, fillet, chamfer, offset, trim.

Mirror:- Create a mirror image of the selected object about a specified lines.

Array:- This command creates multiple copies of selected object in rectangular or polar form for of copy command.

Fillet:- This command is used to create a round corner b/w to lines and shortened or extended to fit a tangent arc.

Offset:- This command creates parallel single copies of lines, arc, circle, rectangle each offset creates a new entity with a same line type, colour and layer settings.

Trim:- This command trims the object that extend

beyond a required point of intersection when you invoke this command, you will be prompted to select the cutting edges. The edges can be lines, circles, arcs, rays, texts, lines ellipse, splines, blocks & xline points.

Question-4 What is the use of objectsnap (OSNAP) in AutoCAD? Name different types of object snaps.

Answer:- The object snaps provide a way to specify precise location on objects whenever you are prompted for a point within a command. for eg you can use objects to create line from a center of a circle to the midpoint of a line.

 Endpoint

 Midpoint

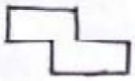
 Center

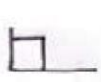
 Node

 Quadrant

 Intersection

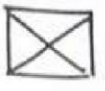
 Extension

 Insertion

 Perpendicular

 Tangent

 Nearest

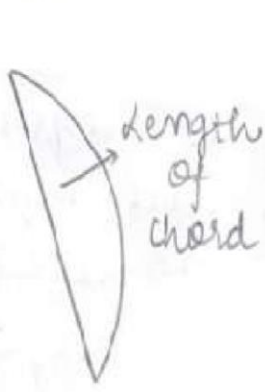
 Apparent Intersection

 Parallel

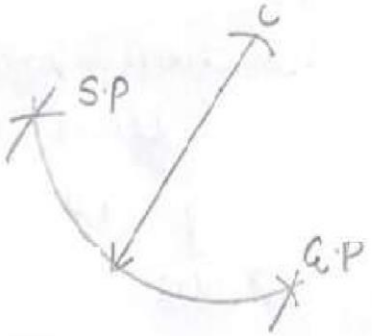
Question 5 What is the use of object snap tracking and/or made in autocad?

Ans :- Object snap tracking is used when we want to align the lines or the part of any object. The object snap making in autocad shows the snapping retan lines. It display the snapping the lines on position of mouse. It tracks the mouse along vertical and horizontal alignment paths from object snap points.

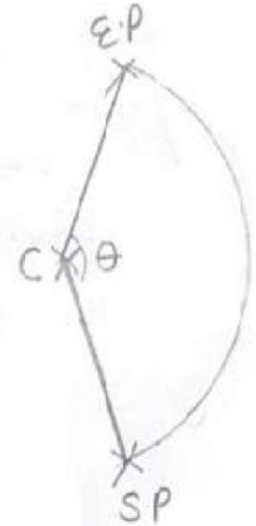
+ orthomode :- is used to specify a angle or a distance by means of two points using a pointing device. In orthomode, mouse movement is constrained to the horizontal or vertical direction relative to UCS.




Center point, start point, end point




Start point. End point, Radius




start point end point, included angle(θ)