Q.29 What are the application of CAD in manufacturing process.
Q.30 What is DBMS.
Q.31 Explain Geometrical transformation.
Q.32 What is Raster Refresh Grapic Displays.
Q.33 Explain Data Structures.
Q.34 Explain the following output devices
1. Storage Tube
2. Graphics Displays
Q.35 Explain briefly Scaling and Rotation in 2D.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions.   (2x10=20)
Q.36 Write Short Notes on
a. Database Management System
b. Database Coordinate System
Q.37 Explain geometric transformation in 2D and concatenation in CAD.
Q.38 What is CAD and Automation. What is the use of CAD in design process and manufacturing process. What are the applications of CAD.

5th Sem / Branch : CAD/CAM
Sub. : None Computer Aided Design.

Time : 3Hrs.   M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory   (10x1=10)
Q.1 IN Auto CAD 2D Modelling, which axis is not accessible for drafting?
a) X   b) Y
c) Z   d) WCS
Q.2 Origin of the AutoCAD drawing space is,
a) 0,0   b) 1,0
c) 0,1   d) 1,1
Q.3 To select a set of objects in the workspace, what should be done?
a) By a crossing window drawn from right to left
b) By a crossing window drawn left to right
c) Shift + Clicking on the objects
d) None of the above
Q.4 A fillet command is used to produce,
a) Sharp corners   b) Round corners
c) Both of the above   d) None of the above
Q.5 What time (according to the clock) are 180 degrees according to the conventional time?

a) 12 exactly   b) 6 exactly

c) 9 exactly   d) 3 exactly

Q.6 Which coordinate option can be used to reset the orientation of UCS to its default?

a) UCS, World   b) UCS, Named UCS

c) UCS, Previous   d) UCS Icon, Properties

Q.7 The symbol that shows snap point to the closet point

a) With circles and dots in the centre

b) With two triangles

c) With three orthogonal

d) With Diamond

Q.8 Fillet in various corners can be created simultaneously using which command.

a) Loop   b) Chain

c) Multiple   d) Edge

Q.9 AutoCAD commands can be accessed in,

a) Drawing area   b) Status bar

c) Tool bars   d) Command window

Q.10 In AutoCAD, polar coordinate is used for creating

a) Arc   b) Ellipse

c) Angular lines   d) None of the above

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 What is a Joystick?

Q.12 What is Database.

Q.13 Define Automation?

Q.14 What is Rotation in 2D.

Q.15 What is the full form of UCS.

Q.16 What is Touch Panel.

Q.17 Name any Two Input Devices.

Q.18 What is the Full Form of LCD.

Q.19 Define Geometrical Modelling.

Q.20 What is Plasma Panel display.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 Write short notes on

1. Geometrical Modelling

2. Solid frame Modelling

Q.22 Explain Design Process in CAD.

Q.23 Explain briefly Wire frame modelling.

Q.24 Differentiate between Plasma Panel Display, LCD & LED.

Q.25 Explain Working Coordinate Systems.

Q.26 Explain how CAD is helpful in design process and in manufacturing process.

Q.27 Explain the Following

1. Voice System

2. Track Ball

Q.28 Name any two input devices and explain them briefly.