

(4)

- (b) How to create any object by using elevation and thickness? Explain with one example.

Unit-IV

8. (a) How many types of 3D models are there? Explain each model with suitable diagram.
(b) Define Layers with their advantages in AutoCAD. Define the process to use the layers in your drawing and draw the Layer Toolbox with appropriate labeling.
9. (a) Explain transferring objects from one layer to mother layer.
(b) Explain working of layers with one example.

S-780

A

(Printed Pages 4)

Roll. No. _____

S-780

B.Sc.(Part-III) Examination, 2015

COMPUTER APPLICATION

First paper

(Old Syllabus)

(Computer Aided Drafting)

Time Allowed : Three Hours] [Maximum Marks :75

Note : Answer five questions in all. Question No.1 is compulsory and attempt one question from each of the units I,II,III and IV.

1. Answer the following: $3 \times 10 = 30$
- (i) Describe the Relative Polar Coordinate system with example.
- (ii) Define the Array Command with their types.
- (iii) What is Object Snap? how many modes of object snap are there? Define any two with their symbol.

P.T.O.

(2)

- (iv) What do you mean by BLIP mode and GRIPS?
- (v) Define Modal Space and Paper Space.
- (vi) Describe the dynamic Text with its use (give example).
- (vii) What is the meaning of CAD? explain the role of CAD in Auto CAD.
- (viii) How to set a drawing limits in Auto CAD?
- (ix) Write to difference between solid model and wireframe model.
- (x) What is polyline? How to create a 2D polyline in AutoCAD?

UNIT-I

- 2. Explain the various options available in arc command. Is there any difference between the arcs made from arc And the ellipse command. if so, explain.

OR

- 3. Explain polylines. How is it different from LINE command? Can they be converted into one another? If so,How?

S-780

(3)

Unit-II

- 4. How can we convert a 2-D drawing in a 3D one? Explain the surface modeling technique along with its advantage & limitations in 3D drawings.
- 5. Explain the following standard 3D Shape (answer all)
 - (a) CONE
 - (b) SPHERE
 - (c) DISH
 - (d) MESH
 - (e) PYRAMID
 - (f) WEDGE

Unit-III

- 6. (a) Differentiate between viewpoint and viewport.
(b) Discuss the commands related to changing properties of objects i.e. elevation, thickness with proper syntax.
- 7. (a) What is VPOINT Command? Explain all viewpoints standards use for viewing 3D object in Auto CAD.

S-780

P.T.O.