KERALA AGRICULTURAL UNIVERSITY

B.Tech (Food.Engg) 2011 Admission

VIth Semester Final Examination- July -2014

Cat. No: Fden.3210

Marks: 80

Title: Computer aided drafting for Food Process Equipment (1+1)

Time: 3 hours

Part A

Answer the following

(10 x 1.0 =10.0)

Choose the best answer

1. Using the Relative Polar Coordinate System to add a 3 inch line that is 45 degrees from the end point of the line created above the drafter would _____.
   a. type @3<45 and enter
   b. type 3 back slash and enter
   c. type 3 forward slash and enter
   d. type 3 and try to use the Dynamic Input readout to find the end point

2. A line with a tapering width can be easily created by using the _____ tool.
   a. circle   b. eclipse   c. line   d. polyline

3. Understanding the Cartesian coordinate system will help the beginning drafter _____.
   a. control the accuracy of the drawing
   b. produce a visible grid system
   c. select a different text style
   d. choose various line types

4. The UCS icon represents the intersection of the _____.
   a. X axis   b. Y axis   c. Z axis   d. All of the above

5. When using the direct entry method to create a horizontal line exactly three inches long the drafter should _____ first.
   a. pull the line from away from the starting point very carefully
   b. insure that Ortho is on
   c. enter 3 for the length of the line
   d. read the coordinate position on the Dynamic Readout

State the following statement True (or) False

6. The version of AutoCAD being used can be checked by reading top blue line or title bar located above the pull down menu bar.

7. When beginning a new drawing in AutoCAD the default start-up layer will be the Defpoints layer.

8. In order to create a straight line in the AutoCAD graphics window the drafter is expected to pick a starting point and ending point.

9. One very important tool to learn is the undo tool. It is located on the Standard Tool Bar

10. The line tool icon is located on the Modify Tool Bar.

Part B

Answer any TEN of the following   (10 x 3.0 =30.0)
Write short note on
1. CAD
2. Hardware and software
3. Scale
4. Uses of autocad
5. Edit commands
6. Ellipse drawing
7. UCS
8. CAD packages
9. Snap and grid
10. System variable
11. Implied windowing
12. Camber and Fillet

Part C

Answer any SIX questions   (6 x 5.0 =30.0)
1. Explain methods of drawing circles in AutoCAD.
2. Explain Edit commands with examples.
3. Explain procedure for creating layers
4. Write a detailed note on production drawing.
5. What are different display commands?
6. Explain in detail about text and dimensions.
7. Discuss 3D drawing.
8. List application of AutoCAD in Food processing sector.

Part D

Answer any ONE question   (1 x 10.0 =10.0)
1. Discuss the steps involved in design and drawing of hopper in Auto CAD.
2. Explain different methods for selection of entities or objects in Auto CAD drawing.

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