

KERALA AGRICULTURAL UNIVERSITY

B.Tech (Food . Engg) Degree Programme 2013 Admission
VIth Semester Final Examination- June - 2016

Cat. No: Fden .3210

Marks: 50.00

Title: Computer Aided drafting of food processing equipments (1+1)

Time: 2 hours

I Fill up the blanks

(10 x 1 =10)

1. _____ function key in Autocad is used for ortho mode toggle.
2. _____ means changing of a payload to a lower quality to match the bandwidth of the receiving network.
3. _____ is the ratio between the linear dimension of a drawn representation of an object and the actual object.
4. The _____ command will zoom your drawing to fit the drawing area to your screen.
5. Styles are created using _____ command.

True or False

6. Engineering drawing is representation of 3D objects from orthographic projection.
7. Move command is used to move the screen.
8. A point expressed as an (x, y) co-ordinate pair x-value and y-value separated by comma.
9. Define bitmaps.
10. Define isometric drawing.

II Write short notes ANY FIVE

(5 x 2 =10)

1. Write notes on Hatching and Mirroring.
2. Define drafting.
3. Write about 3D modeling.
4. What are the elements of drawings?
5. Explain the principles of orthographic projection.
6. How to do transformation from 2D to 3D?
7. Differentiate the two views: Extrusion and perspective view.

III. Explain ANY FIVE of the following

(5 x 4 =20)

1. Explain the different coordinate systems in Autocad?
2. Briefly explain the perspective and Paralline views.
3. How do you draw and edit simple geometric objects in Auto CAD?
4. Explain in detail the basics and techniques of isometric drawing.
5. Discuss the snap, grid and pick commands in detail.
6. Write notes on the following: a) blocks, b) fillet, c) extend.
7. Explain the editing objects in Auto CAD.

IV. Write essay on ANY ONE

(1 x 10=10)

1. Explain in detail the basics of CAD and drafting.
2. Explain in detail the drawing of entities, ellipses and polygons.
