

KERALA AGRICULTURAL UNIVERSITY

B.Tech. (Food Engg.) 2014 Admission

VI Semester Final Examination – August - 2017

Marks: 50

Time : 2 hours

Id No: Fden 3210

Title: Computer Aided Drafting of Food Processing Equipments (1+1)

I. Choose the appropriate answer:

(10 x 1=10)

- The term UCS stands for
 - User Coordinate State
 - Using Coordinates System
 - Using Coordinates Screen
 - User Coordinate Set
- Drawing templates are held in files with the file extension
 - *.dwt
 - *.bmp
 - *.dwg
 - *.dwr
- Press the F9 key of the keyboard for
 - Grid on/off
 - Snap on/off
 - Ortho on/off
 - Osnap on/off
- The Design Center palette can be opened from the
 - Layer tool bar
 - Property tool bar
 - Standard tool bar
 - Modify tool bar
- In the _____ tool on the Dimension tool bar will place several dimensions at one time by using a selection box placed over several part features.
 - Linear
 - Baseline
 - Continue
 - Quick dimension

Fill up the blanks:

- The angle between the two isometric lines -----
- Command used to draw straight lines in Auto CAD software -----
- Solid portions in sectional drawing are indicated by -----hatch lines.
- In 3rd angle projection always HP will be ----- the VP.
- is a collection of objects that are combined into a single named object

II. Write short notes on ANY FIVE:

(5x 2=10)

- Write the difference between 1st angle and 3rd angle view of projections.
- Write the difference between Aligned system and Unidirectional system of dimensioning.
- What are advantages of Auto CAD drawing over manual drawing?
- What is cutting plane and offset section?
- Draw the pattern of lines used for solid edges, hidden edges, axis line and section line.

6. What is an array and why it is used.
7. What is advantages of mirroring tool in the auto cad.

III Write answers on ANY FIVE:

(5 x 4=20)

1. Define the Auto Cad software and write its advantages.
2. Write the importance of units and scales in CAD software.
3. List the OSNAP options tools and explain each.
4. Explain the steps involved in transforming the 2D to 3 D drawings.
5. List the types of commands in the annotation tool bar and explain.
6. What is block tool and explain the uses and advantages of block tool.
7. Explain the steps involved in drawing the hopper in 3 D CAD software.

IV. Write essay on any ONE

(1 x 10=10)

1. List and explain the tools in modify command panel in the AUTOCAD software with neat sketch.
2. List and explain the tools in the draw command panels in the AUTOCAD software with neat sketch.
