KERALA AGRICULTURAL UNIVERSITY
B.Tech.(Food Technology) 2020 Admission
III Semester Final Examination –March 2022

Pafe.2113 **Computer Aided Drafting of Food Processing Equipments (1+1)** **Marks: 50**
Time: 2 hours

(10x1=10)

I   **Choose the correct answer**

1. The computer-aided design (CAD) hardware doesn't include.
   a) Graphic display terminals
   b) Computer
   c) Computer programmes
   d) Keyboard

2. How many types of CAD are there?
   a) 6
   b) 4
   c) 2
   d) 5

3. Modem CAD systems are based on:
   a) ICG
   b) GCI
   c) GIF
   d) IFG

4. The computer communicates with the user via:
   a) CPU
   b) CRT
   c) Graphics
   d) Display button

5. The functionality areas of CAD application can be grouped into _____ categories.
   a) 2
   b) 3
   c) 4
   d) 5

6. _____ is a rectangular pattern of lines or dots which covers in the entire XY plane of user coordinate system.
   a) Ortho
   b) Grid
   c) Snap
   d) Tolerance

7. Which command converts discrete object in polyline?
   a) Merge
   b) Union
   c) Join
   d) Add

8. Which axis is not used when working in 2-D frame?
   a) Z-axis
   b) Y-axis
   c) X-axis
   d) WCS

9. _____ key automatically activates the O snap feature of AutoCAD.
   a) F1
   b) F2
   c) F3
   d) F4

State True or False

10. Implementing CAD improves communications.

(5x2=10)

II   **Write short notes on ANY FIVE of the following**
   1. What is drafting?
   2. Mention any 4 input devices.
   3. What is the command for drawing ellipse in CAD?
   4. Write the pick command.
   5. What is the use of chamfer?
   6. Mention the working of edit commands; extend, stretch and trim.
   7. Mention any 2 food processing components.

(5x4=20)

III   **Answer ANY FIVE of the following**
   1. Write about the benefits of CAD.
   2. Mention the working of edit commands: mirror and fillet.
   3. Depict the display commands: select and pan
   4. Describe the components of 3D drawings.
   5. How to prepare production drawings?
   6. What are the factors considered for selecting CAD?
   7. Explain 2D transformation with matrix.

(1x10=10)

IV   **Write an essay on ANY ONE of the following**
   1. Explain the concepts of hardware in detail.
   2. Describe the design of food processing equipments in CAD.

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