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

**I**   **Fill in the blanks**   (10x1=10)

1. The term WCS stands for …………

2. In order to toggle Ortho mode …………….key is used in AutoCAD.

3. ……………..is a collection of objects that are combined into a single named object.

4. The angle between the two isometric lines is ………………

    Choose the correct answer

5. What is the common angle of projection for isometric view?
    (a)   First angle
    (b)   Second angle
    (c)   Third angle
    (d)   None of the above

6. In which bar do you find the SNAP & GRID icon?
    (a)   Draw toolbar
    (b)   Modify toolbar
    (c)   Status bar
    (d)   Object properties toolbar

7. AutoCAD "draw tool" bar symbol   is used for _____ command.
    (a)   Pentagon
    (b)   Rectangle
    (c)   Array
    (d)   Construction line

8. In AutoCAD, …………command is used to round the corners of a rectangle.
    (a)   Break
    (b)   Chamfer
    (c)   Fillet
    (d)   Extend

9. Polar coordinated are used mostly for drawing ………………
    (a)   Arcs
    (b)   Circles
    (c)   Angled lines
    (d)   Vertical and Horizontal straight lines.

    State True or False

10. Slice Command in AutoCAD is used to create a new 3D solids & surface by slicing or dividing existing objects.

II   **Write short notes on ANY FIVE of the following**   (5x2=10)

1. Why 2nd and 4th angles of projection are not used?

2. Discuss two systems of dimensioning in brief.

3. What are cutting plane and viewing plane?

4. Explain section view and its types.

5.   Compare and contrast the extension view and perspective view.
6.   Discuss the use of the Array command in AUTOCAD.
7.   Write the difference between mirror and offset command.

III	**Answer ANY FIVE of the following**	(5x4=20)

1.   List the significance of Units and scales in CAD software.
2.   Explain the command to draw line, pline, and spline.
3.   Write short notes on snap, grid, and pick.
4.   Describe Various line types and their representation.
5.   Explain the use of fill, erase, and move commands.
6.   Explain the steps involved in transforming 2D to 3D drawings.
7.   Write notes on the following: Blocks, Fillet and Extend.

IV	**Write an essay on ANY ONE of the following**	(1x10=10)

1.   Describe the basics of CAD and drafting in detail.
2.   Describe in detail about layers, changing colours and line types.

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