1. What is meant by AutoCAD?

AutoCAD is one of the cad system software introduced in dec1982 by Autodesk ltd in Sausallia, California of USA. It has hit the technical world like shock wave revolutionizing the manner of drawing preparation.

2. What is the diff between CAD & CADD?

CAD-computer aided design

CADD-computer aided design and drafting

3. What are the applications of CAD?

- Design of machine elements, CNC machine tools, robotics etc
- Panel design and circuit layout
- Mapping, building plans, contour plotting and structural drawing
- Interior design and modeling

4. Define absolute co-ordinates?

Values locating a point in space that describe its displacement from origin (0,0,0) point of the drawing.

5. Define polar co-ordinates.

Values are locating a point in space that describes its location relative to the last point picked as defined by an angle and its distance.

6. Define angular dimension?

A dimension that measures the angle between two lines or the angle inscribed by an arc segment.
7. Define aligned dimension?

A linear dimension measuring the distance between two points. The dimension line for an aligned dimension is parallel to a line between points.

8. What is Bylayer?

A value that can be assigned to colours and line types so that objects receive their colour and line type properties according to the layer they are on.

9. What is command line?

A text window at the bottom of the screen that displays command: prompt. This is where you see what you are entering through the keyboard. Also called the command window.

10. What is command: prompt:

A prompt at the command line, when no commands are currently running.

11. What is cross hair cursor?

A form of the cursor that consists of a horizontal line and a vertical line intersecting at their midpoints, resembling the crosshair in a sighting device.

12. Define dimension variables?

A group of settings and values that control the appearance of dimensions.

13. Define current UCS?

The user coordinate system that is active in a drawing. It determines the positive X, Y and Z direction.

14. What is .dwg?

The file extension and format for the standard AUTOcad drawing.

15. Define graphics window?

The appearance of your screen when AUTOcad is running. It consists of the drawing area and surrounding toolbars, menu bars the command window and the status bar.

16. Define line type?

The style of appearance of a line. AUTOcad styles include continues, dashed, dash dot. And so on.
17. What is a hatch patterns?

A pattern of lines dots and other shapes that fills in a closed area.

18. Define MIRROR?

A command that makes a copy of selected objects and flips the copy around a specified line to produce a reciprocal image of those objects.

19. What is an ortho mode?

An on/off setting that, when on forces lines to be drawn and objects to be moved in a horizontal or vertical direction only.

20. What are the advantages of CAD?

Greater productivity of the designer, improvement of design quality

Easier design, calculation and analysis, quicker rate producing drawings, more accuracy of drawings, colour graphics is possible

21. What is an object snap mode?

Any of a set of tools precisely picking strategic points on an object, including end point, midpoint, center, and so on. It is casually called osnap.

22. Define block?

The description of an association of AutoCAD objects that is stored with the drawing file and include a name, an insertion point, and a listening of objects in the association.

23. Define relative co-ordinates?

Values are locating a point in space that describes its displacement from last point picked in the drawing rather than from the origin.
Shortcut key for all the commands

Line –l
Circle –c
Move –m
Copy –co
Hatching –bh
Explode –x
Trim –tr
Mirror –mi
Offset –o
Dimension style –d
Text –t
Text edit –ed
Rotate –ro
Fillet –f
Break –br
Arc –a
Polygon –pol
Ellipse –el
Multiline –mline
Poly line –pline
# Function keys

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