

Subject: CAD (Computer Aided Design)

Question no.1: Multiple Choice Questions (MCQs)

1. To reverse the UNDO command the correct entry is?
  - a. REDO
  - b. REDRAW
  - c. ESC
  - d. U
2. The command to scale a paper space viewport to half the drawn size is?
  - a. Zoom 0.5px
  - b. Zoom 1/2x
  - c. Zoom 2xp
  - d. Zoom 0.5xp
3. Which of the following statements is true for AutoCAD?
  - a. Zoom all will reach beyond the drawing limits if an object is there.
  - b. Zoom all only reaches out to the drawing limits.
  - c. There is not real difference between zoom all and zoom E.
  - d. Zoom all makes all objects visible irrespective of the layer visibility state.
4. Which one of the following commands forces AutoCAD to revise the entire drawing taking into account the effect of changes within the system?
  - a. CHANGE
  - b. REDO
  - c. REDRAW
  - d. REGEN
5. Which one of the following options of the UNDO command allows the undo facility to be disabled?
  - a. AUTO
  - b. CONTROL
  - c. END
  - d. GROUP
6. Which one of the following commands allows simultaneous pan and zoom?
  - a. Zoom dynamic
  - b. Zoom extents
  - c. Zoom center
  - d. Zoom pan
7. Which one of the following commands cannot be undone?
  - a. XREF
  - b. SETVAR
  - c. SAVE
  - d. LIST

8. The MAXIMUM number of commands whose effect can be undone by the UNDO command is?
  - a. 256
  - b. 1000
  - c. All the command issued since the drawing was first created
  - d. All commands issued since the drawing was last loaded into the drawing editor
9. Which one of the following commands would be used to limit the movement of the cursor to specified increments?
  - a. AXIS
  - b. GRID
  - c. ORTHO
  - d. SNAP
10. Which one of the following commands can be used to turn the grid through 45 degrees?
  - a. AXIS
  - b. GRID
  - c. ROTATE
  - d. UCS

Question no.2:

- a. Define Hermite curve
- b. Explain APT language?
- c. Write down advantages of group technology?

Question no.3

- a. What is kinematic analysis?
- b. What are the functions of post – processor in FEM module?
- c. State the advantages of FMS( Flexible manufacturing system)

Question no.4:

- a. What is computer aided process planning?
- b. Write euler-poincare formula used in solid modelling.
- c. Define FMS?

Question no.5:

- a. What is the role of mesh generation in FEM (finite element method)?
- b. Define “Flexibility” in flexible manufacturing system.
- c. When do you use a rotation transformation matrix?