

CAE Assessment- 1st Marking Period-2019

Computer Aided Engineering

* Required

1. Email address *

2. Name *

3. Email *

4. CAD stands for *

Mark only one oval.

☐ Computer Aeronautical Drafting

☐ Computer Aided Design

☐ Control Alt Delete

☐ None of the above

5. CAD is *

Mark only one oval.

- ☐ The use of manual systems to draw multiview drawings
- ☐ The use of computer systems to aid in the creation, modification, analysis of a design.
- ☐ Hand sketches to create plan views, side views, and front views.

6. Orthographic view literally means *

Mark only one oval.

- ☐ Parallel view. "Ortho" Greek word meaning Parallel.
- ☐ Intersecting view. "Ortho" Greek word meaning intersecting.
- ☐ Perpendicular view. "Ortho" Greek word meaning perpendicular
- ☐ None of the above

7. A multi-view orthographic projection is: *

Mark only one oval.

- ☐ An illustration technique in which up to six pictures of an object are produced
- ☐ An illustration technique in which up to three pictures of an object are produced
- ☐ An illustration technique in which up to four pictures of an object are produced

8. While you are working on an AutoCAD drawing, you should save your work every ____ minutes. *

Mark only one oval.

- ☐ 10 to 15
- ☐ 20 to 30
- ☐ 35 to 45
- ☐ 60 to 70

9. Which item in the Application Menu can you use to find and open the last several drawings you closed? *

Mark only one oval.

- ☐ Open Documents
- ☐ Recent Actions
- ☐ Recent Documents
- ☐ Search Menu

10. The primary means of pointing to objects or locations in an AutoCAD drawing is the *

Mark only one oval.

- ☐ Crosshairs
- ☐ Left arrow key
- ☐ Right arrow key
- ☐ Text cursor

11. When the origin is at the lower-left corner of the drawing area, which quadrant of the XY plane is visible on-screen? *

Mark only one oval.

- ☐ Lower-left quadrant
- ☐ Lower-right quadrant
- ☐ Upper-left quadrant
- ☐ Upper-right quadrant

12. Which of the following modes forces all of the lines you draw to be either horizontal or vertical? *

Mark only one oval.

- ☐ Osnap
- ☐ Ortho
- ☐ Polar tracking
- ☐ AutoTrack

13. Snapmode (F9) *

Mark only one oval.

- ☐ When turned on, the cursor seems to adhere, or "snap," to an invisible rectangular grid
- ☐ is a rectangular pattern of lines or dots that covers the entire XY plane
- ☐ helps you align objects and visualize the distances between them
- ☐ All of the above

14. In which point entry system are Coordinates specified from, or relative to, the previous position, rather than from the origin? *

Mark only one oval.

- ☐ Absolute coordinates
- ☐ Relative coordinates
- ☐ Polar coordinates
- ☐ Dimensional input

15. In which point entry system are Coordinates based on the distance from a fixed point at a given angle? *

Mark only one oval.

- ☐ Absolute coordinates
- ☐ Relative coordinates
- ☐ Polar coordinates

16. The Command Line (Command Prompt) *

Mark only one oval.

- ☐ Allows you to invoke other commands while you are drawing a line.
- ☐ Is the default line (white line) you can use to draw when you first start AutoCAD
- ☐ Is the area where you can type commands (tool names) and options.

17. The OFFSET Command *

Mark only one oval.

- ☐ Creates a new object with a similar shape parallel to the original object at a specified distance
- ☐ Creates an existing object with a similar shape parallel to the original object at a specified distance.
- ☐ Mirrors an old object with a similar shape parallel to the original object at a specified distance.
- ☐ None of the above

18. The FILLET Command *

Mark only one oval.

- ☐ Rounds and fillets the edges of objects.
- ☐ Connects two perpendicular lines
- ☐ Trims overlapping perpendicular lines
- ☐ All of the above

19. The TRIM Command *

Mark only one oval.

- ☐ Cuts objects to meet the edges of other objects.
- ☐ Allows you to shorten an entity to an intersection
- ☐ Allows you remove a section of an entity between two intersections.
- ☐ All of the above

20. The LINE Command *

Mark only one oval.

- ☐ Creates straight line segments
- ☐ Creates curved line segments.
- ☐ Creates circular line segments.
- ☐ None of the above

21. On your keyboard, the Function Key F-12 *

Mark only one oval.

- ☐ Opens the Help menu
- ☐ Dynamic Input
- ☐ Toggles ORTHOMODE
- ☐ Toggles SNAPMODE

22. What is the AutoCAD default coordinate system called? *

Mark only one oval.

- ☐ Origin
- ☐ Plan
- ☐ World

23. On your keyboard, the Function Key F-3 *

Mark only one oval.

- ☐ Toggles OSNAP
- ☐ Toggles ORTHOMODE
- ☐ Toggles SNAPMODE

24. What does WCS stand for? *

Mark only one oval.

- ☐ Worker's Compensation Standard
- ☐ World Coordinate System
- ☐ Way Cool System
- ☐ World Coordinate Standard

25. What command is used to create a 3 dimensional face on an object? *

Mark only one oval.

- ☐ FACE
- ☐ FACES
- ☐ 3DFACE

26. You can EXTRUDE *

Mark only one oval.

- ☐ Regions
- ☐ Closed polylines
- ☐ circles
- ☐ All of the above

27. What are the main views normally drawn in industry? *

Mark only one oval.

- ☐ Top View, Front View, Left Side View
- ☐ Top View, Back View, Right Side View
- ☐ Top View, Front View, Right Side View
- ☐ Bottom View, Front View, Right Side View

28. Projection lines *

Mark only one oval.

- ☐ are not really necessary in developing 2D drawings.
- ☐ are extensions of lines that assist in 3D drawings.
- ☐ are extensions of lines that assist in 2D drawing.

29. A 3D solid object holds mathematical information that can be used in engineering projects. *

Mark only one oval.

- ☐ True
☐ False

30. On your keyboard, the Function Key F-9 *

Mark only one oval.

- ☐ Opens the Help menu
☐ Toggles OSNAP
☐ Toggles GRIDSnap

31. Polar coordinates are used mostly for drawing... *

Mark only one oval.

- ☐ Coordinates showing east-west positions.
☐ Arcs on an object
☐ Controls grid spacing and alignment.
☐ Coordinates showing north-south positions.
☐ Angled lines

32. What command would you use before you start a drawing to set the X and Y spacing for the Grid and Snapmode? *

Mark only one oval.

- ☐ GRIDSETTING
- ☐ SNAPMODESETTING
- ☐ XYSETTINGS
- ☐ DSETTINGS

33. Which command is used to bevel the edges of solid models? *

Mark only one oval.

- ☐ FILLETEDGE
- ☐ EXTRUDEDGE (with the bevel option)
- ☐ CHAMFEREDGE

34. Which option is used to list the names of all the saved UCSs? *

Mark only one oval.

- ☐ ZAXIS
- ☐ Restore
- ☐ Save
- ☐ ?

35. AutoCAD displays different UCS icons in model space and paper space *

Mark only one oval.

- ☐ True
- ☐ False

36. You cannot apply the Boolean operations to the 3D models. *

Mark only one oval.

☐ True

☐ False

37. What command will rotate a 3D object? *

Mark only one oval.

☐ ROTATE3D

☐ 3DROTATE

☐ Both A and B

38. The HIDE command works on *

Mark only one oval.

☐ wireframe models.

☐ solids.

☐ both a and b

39. 3D refers to having *

Mark only one oval.

☐ 3D wireframes

☐ solids.

☐ working planes on all three axis.

☐ All of the above

40. Using the CONE option in the primitive drop down menu creates a surface model. Primitives are NOT solid objects. *

Mark only one oval.

- ☐ True
☐ False

41. A CHAMFER can only create a 45° angle. *

Mark only one oval.

- ☐ True
☐ False

42. All ZOOM commands work in 3D the same as in 2D. *

Mark only one oval.

- ☐ True
☐ False

43. A major benefit of solid modeling is it's ability to be analyzed. *

Mark only one oval.

- ☐ True
☐ False

44. Once a 3D object is drawn, it can be viewed and plotted from any viewpoint. *

Mark only one oval.

- ☐ True
☐ False

45. Plan view and front view are the same. *

Mark only one oval.

- ☐ True
☐ False

46. The EXTRUDE command always extrudes objects along the Z axis of the WCS. *

Mark only one oval.

- ☐ True
☐ False

47. Some of the commands in Boolean Operations include: *

Mark only one oval.

- ☐ SUBTRACT
☐ UNION
☐ EXTRUDE
☐ All of the above

48. What does it mean when an object is said to be 3D? *

Mark only one oval.

- ☐ It is a 3 Dimensional model.
- ☐ You can only view it in isometric mode.
- ☐ It is made only of solids.

49. How many primitive solids are there in the AutoCAD Solids toolbar? *

Mark only one oval.

- ☐ 4
- ☐ 5
- ☐ 6
- ☐ 8

50. LAYERS are useful because... *

Mark only one oval.

- ☐ it allows you to organize your drawings
- ☐ it allows you to create layer names, line types, line widths
- ☐ it allows you to turn filter layers.
- ☐ All of the above

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