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Autocad mcq pdf

Tags MCQ Multiple Choice Q&A and answers on Autocad Autocad Trivia Q&A PDF Autocad Q&A This set of Basic Civil Engineering Multiple Choice Questions & Answers (MCQs) focuses on AutoCAD. 1. What is the latest version of AutoCAD software? a) 2016 b) 2017 c) 2018 d) 2019 View 2019 Answer: c Explanation: AutoCAD 2018 is the latest version. It has improved storage performance, improved 2D graphics, 3D navigation performance, AutoCAD mobile app and updated DWG file format. 2. What key is used to get the properties palette in AutoCAD? a) Control+1 b) Control+2 c) Control+3 d) Control+4 View AnswerAnswer: a Explanation: Control+2 gives Design Center palette, Control+3 gives tools palette, Control+4 is not an option. 3. AutoCAD was first published in the year: a) 1858 b) 1966 c) 1898 d) 1982 View AnswerAnswer: d Explanation: It was published in December 1982. It was a desktop app running on microcomputers with internal graphics controllers. 4. How many units are available in AutoCAD? (a) 4 (b) 5 c) 7 d) 6 Answer view: b Explanation: The units are architectural (feet & inches), decimal places, engineering (customs), fractional and scientific (10e form). 5. Which mode allows the user to draw 90o straight lines : a) Osnap b) Ortho c) Linear d) Polar Tracking View AnswerAnswer: b Explanation: Ortho mode can be activated with F8 key. It allows the user to draw straight lines (90o) by limiting the cursor to 90o. 6. To obtain parallel lines, concentric circles and parallel curves; _____ is used. a) Array b) Fillet c) Copy d) Offset View AnswerAnswer: d Explanation: It can be activated by entering letter O. The offset distance and the page must be specified by the user. 7. The default grid spacing in the X and Y directions is: a) 10 b) 20 c) 5 d) 15 View AnswerAnswer: a Explanation: The distance in each grid is 10 in both directions. It can be changed by right-clicking the grid button at the bottom of the screen. A grid settings dialog box appears and changes can be made. 8. How many workspaces are available in AutoCAD? a) 2 b) 4 c) 3 d) 5 View answer: c Explanation: There are three workspaces available to switch to AutoCAD. These are design and annotation, 3D basics, and 3D modeling. 9. The scaling command can be easily used by typing: a) SL b) S c) SC d) C View AnswerAnswer: c Explanation: Scaling command to increase/decrease the size of an object. It can be accessed by typing SC. To increase the scale, a value greater than 1 is specified. Values between 0 and 1 can be used to reduce scaling. 10. Which command is used to convert the object into segments with to divide the length? a) Divide b) Chamfer c) Trim d) Measure View AnswerAnswer: d Explanation: Measurement command divides the object into segments of predefined length. The option Divides the object into the number of the same segments. 11. How many grip points does a circle have? a) 5 b) 4 c) 3 d) 2 View answer: an explanation: A handle point appears as a when an object is selected. These can be used to modify an object. A circle has 5 excursion points. One in the middle, 4 at each quadrant. Sanfoundry Global Education & Learning Series - Basic Civil Engineering. To practice all areas of Basic Civil Engineering, here you will find a complete set of 1000+ Multiple Choice questions and answers. Join the Sanfoundry Certification Contest to receive a free Merit certificate. Join our social networks below and stay up to date with the latest competitions, videos, internships and jobs! Manish Bhojasia, a technology veteran with more than 20 years at Cisco & Wipro, is the founder and CTO at Sanfoundry. He is Linux Kernel Developer & SAN Architect and is enthusiastic about competence developments in these areas. He lives in Bangalore and provides focused training for IT professionals in Linux kernel, Linux debugging, Linux Device Drivers, Linux Networking, Linux Storage, Advanced C Programming, SAN Storage Technologies, SCSI Internals & Storage Protocols such as iSCSI & Fiber Channel. Stay in touch with him. LinkedIn Download This tutorial in PDF 31. The same measured CW angle is if an angle of 135 degrees _____ during the CCW measurement result? A. 225 degrees B. -135 degrees C. 135 degrees D. -225 degrees E. None of these 32. What is associative hatch _____? A. Refers to the other hatch plan B. Monitors the shape changes that C fills in. Neither of the above-mentioned D. None of the above E. None of these 33. What is the difference between Print and Plot command _____? A. Plot command prints only large plans B. The plot command for CNC (CAM) C. print command can print up to A3 paper D. No difference E. None of these 34. Specify the best option. If you change the scale list of a project that I started from 1:50 1:10, A. should be converted to new items that are added based on the new scale B. You should not increase the existing objects (scaling) by 5 C. You do not need to change anything in the previous methodology D. You need to start via E. None of these 35. Which is not a unit of length measurement _____? A. Yards B. Parsecs C. Grads D. Microns E. None of these 36. What does the Wblock command do _____? A. Warp Speed Block B. Window Block C. Writing Block D. Wide Range Block E. None of these 37. Where should you pay concentration when working with AutoCAD commands? A. Drawing area B. Status bar C. Command window D. Toolbars E. None of these 38. Polar coordinates is used for drawing _____? A. Ellipse B. Arc C. Angular lines D. one of the above E. Include all 39. Enter the best option How many SNAP points does an object have? A. 1 B. 5 C. 4 D. Depending on object E. None of these 40. How many points do you need to know for the Rectangle command? A. A B. three C. Two D. Four E. None of these 1. You have just created the HIDE COMMAND on a 3D house plan to see what the design looks like, but find that all interior labels are displayed through your opaque walls, which ruins the 3D effect. What can you do with the TEXT objects to fix this? A. Assign a thickness of 0.001 to all TEXT. B. Place the TEXT on the Defpoints layer. C. Place the TEXT on a layer without a plot. D. Assign the Hide property to all TEXT. E. Assign a thickness of 12 to all TEXT. Answer:- A 2. Can't apply 3D thickness (Z) to any of the following AutoCAD objects? A. TEXT B. MTEXT C. LINE D. CIRCLE E. PLINE Answer:- B 3. You want to draw an octagon shape window on a vertical wall surface in your 3D house plan. Which UCS command option is best for placing your user coordinate system on this front wall surface to ensure that the window is flat on that wall? A. Origin B. ZAxis C. 3Point D. View E. X Answer:- C 4. Which AutoCAD command exactly determines the volume of a complex (or simple) 3D volume part? A. AREA B. MASSPROP C. VOLUME D. PART E. CALCULATE Answer:- B 5. The purpose of the UCSICON command is: ? A. Allow a user to move the UCS system. B. Allow a user to redefine the location of 0,0. C. Allow a user to control the placement and appearance of the symbol so that you can understand your orientation in the XYZ coordinate system. D. Provide a work plane for drawing. E. Switch to the desired work units from decimal number to foot and inch. Answer:- C 6. The main purpose of the UCS (user coordinate system) is? A. Helps a user calculate the area of an object. B. To determine angles for isometric projections. C. Allows a user to select the type of drawing they want. D. Allows a user to draw at a specified 2D layer in 3D space. E. Allows a user to define a location to place symbols. Answer:- D 7. To determine if two parts (3D solids) fit together without interference, which 3D AutoCAD command would you use? A. FIT B. UNION C. SUBTRACT D. INTERSECT E. INTERFERE Answer:- E 8. What is the volume of a cone with a radius of 12 and a height of 12? A. 3,216.915,13 cu in B. 3,162,915.13 cu in C. 3,126,195.13 cu in D. 3,126,951.13 cu in answer:- E 9. You apply a property named Thickness to a Default AutoCAD CIRCLE. What type of AutoCAD objects do you officially have now? A. Surface Model (Polygon Mesh) B. Solid Model (3D Solid) C. PLINE D. Cylinder E. Region Answer:- A 10. Which of these objects draws only flat on the current XY work plane and does not allow 3D coordinate input (e.g. Z input)? (Check ALL that apply) A. LINE B. DONUT CIRCLE D. PLINE E. 3DPOLY Answer:- B,C,D AUTOCAD MCQs 11. You have just created an interesting new round object by using REVSURF to rotate a complex curve around an axis. However, you will find there are only 6 faces around the perimeter so it makes it look very rough. Which variable do you change to correct this? A. Set SURFTAB2 on 18 B. Set TABSURF2 on 18 E. Set SURFTAB1 to 18 Answer:- E 12. the to display the depth in AutoCAD ® is the A. W axis. B. X axis. C. Y axis. D. Z axis. Answer:- D 13. The right rule is used to determine the direction of the A. positive X axis. B. negative Y axis. C. positive Z axis. D. negative X axis. Answer:- C 14. All axes in the 3D coordinate system meet at A) 60° angles. B) 90° angle. C) 120° angle. D) 135° angle. Answer:- B 15. In AutoCAD®, all objects on the A) YZ layer are drawn. B) XZ level. C) XY plane. D) ZX plane. Answer:- C 16. You can use the UCS command A) to edit the user coordinate system. B) controls the display of the UCS symbol. C) defines the world coordinate system. D) allows you to draw in the YZ plane. Answer:- A 17. The World of UCS Command A option returns to the world coordinate system. B) returns to the previous user coordinate system. C) defines a new world coordinate system. D) aligns a new coordinate system parallel to the screen. Answer:- A 18. To view 3D models from different angles, AutoCAD® A) provides three predefined 3D views. B) Six predefined 3D views. C) Ten predefined 3D views. D) Twelve predefined 3D views. Answer:- C 19. The VIEW command performs all of the following steps except A) and provides access to AutoCAD®'s predefined views. B) Access to custom views. C) Create a new custom view. D) Display the View toolbar. Answer:- D 20. To view a model from anywhere in 3D space, use the A) VIEW command. B) 3DZOOM command. C) 3DORBIT command. D) PAN command. Answer:- C 21. The View option of the UCS command A) aligns a new UCS parallel to the screen. B) aligns a new UCS to the selected surface of an object. C) moves the origin of the current UCS to the lower left corner of the screen. D) applies the current UCS to a specified viewport. Answer:- A 22. A wire model of a titanium block would most closely resemble an ice cube. B) empty cardboard. C) Box-shaped wire basket. D) Book. Answer:- C 23. Wireframe drawings can be used to a) display and define the pages of an object. B) present design ideas to potential customers. C) Calculate volume. D) Determine spatial relationships between objects. Answer:- D 24. If you focus on a solid sphere on one side of a wireframe cube on the other side of the cube, you will see A) only the wireframe. B) the fixed sphere and the wire frame, since the wire frame has no sides. C) the outlines of the sphere through the translucent walls of the wire mesh. D) only the solid sphere, since the wire frame is transparent. Answer:- B 25. Of the following objects, the object that is best suited for a wireframe is A) the hull of a speedboat. B) a refrigerator. C) a D) a laptop. Answer:- C AUTOCAD Objective typ Questions with Answers 26. To edit a wireframe, use A) handles. B) the WIREDIT command. C) the SPLINEDIT command. D) the WEDIT command. Answer:- A 27. A wireframe is created with A) 2D objects using the EXTRUDE command. B) 2D objects such as points, lines, and circles. C) 3D objects such as balls and cones. D) 3D commands such as REVOLVE and TABSURF. Answer:- B 28. One drawback of using wireframes as opposed to surface or solid models is that A) takes them longer to create. B) they take up more space on the storage medium. C) they corrupt more easily. D) they can be difficult to understand because they are stick figures. Answer:- D 29. The main difference between creating wireframe models and creating 2D objects is that A) 2D objects cannot be extruded. B) Wireframe objects cannot be edited with 2D editing commands. C) 2D objects are created on two or more levels. D) Wireframe geometry is created using the X, Y, and Z axes. Answer:- D 30. To avoid surprises when creating a wireframe model, it's a good idea to avoid A) the use of object snaps. B) remain in the standard world coordinate system. C) Specify coordinates using the absolute technique. D) View the model from the upper (plan) view while working. Answer:- C 31. Compared to surface and solid models, wireframe models A) take about the same amount of time. B) less time to create. C) more time to create. D) approximately 30 minutes. Answer:- A 32. Surface models are considered more advanced than wireframe models because A) they can be used to calculate mass properties. B) they have areas (areas). C) they have volumes. D) they can be used to calculate holding properties and weights. Answer:- B 33. An analytical surface is one described a) by an equation or set of equations. B) is formed from a series of data points used as control points. C) interpolates the input data and thus allows the control of individual data points. D) is created with at least four curves that have adjacent edges. Answer:- A 34. Surface models are mainly used in A) modeling of pumping mechanical parts. B) Creation of architectural models. C) Modelling of complex electrical systems. D) Modelling of complex curves in boat hulls and fenders. Answer:- D 35. The number of segments in a tabular surface is controlled by the system variable A) SURFTAB1. B) SURFTAB2 system variable. C) SURFTYPE system variable. D) EDGESURF command. Answer:- A 36. A fillet surface is used to reshape A) a bicubic patch with smooth curves. B) around the edges of a planar surface. C) mix two surfaces together. D) Turn facets into smooth curves. Answer:- C 37. A surface primitive is a basic 3D object that can be used to create advanced models. B) Wireframe from which surface models can be created. C) 2D object that is used to create a can be extruded. D) analytical surface from which non-analytical surfaces can be created. Answer:- A 38. All of the following options are surface primitives except field A). B) Cones. C) Spiral. D) Court. Answer:- C 39. To approximate a patch in AutoCAD®, use the A) 3DMESH command. B) REVSURF command. C) TABSURF command. D) EDGESURF command. Answer:- D 40. The spline option of THE PEDIT command A) creates an arc-like polyline connection polyline connection Vertex pair to convert a straight polyline to a curve. B) uses the vertices of the polyline as control points to create a curve that approximates a B spline. C) creates the linetype in a continuous pattern through the vertices of the polyline. D) smoothes a mesh surface. Answer:- B 41. To control the type of surface created with the Smooth Surface option of the PEDIT command, use the a) SURFTAB1 system variable. B) SURFTAB2 system variable. C) SURFTYPE system variable. D) EDGESURF command. Answer:- C 42. Solid models are used more often than surface models or wiremodels because they a) lead to smaller files. B) are more accurate. C) can be viewed from any point in 3D space. D) you can calculate mass properties. Answer:- D 43. The disadvantage of solids created with pure primitive instancing is that A) they are less accurate than solids created with cell decomposition ® a) to store and display modeling information. B) Boundary representations and sweeping distance. C) Constructive solid geometry. D) Pure primitive instancing. Answer:- B 44. By default, AutoCAD® displays all types of models in wireframe format. To find out what solid type a particular model is, use the A) ID command. B) COMMAND REGEN. C) LIST command. D) SYSTEMvariable MODELTYPE. Answer:- C 45. Spatial occupancy enumeration is rarely used in CAD applications because it requires A) a large amount of memory. B) is not sufficiently accurate for CAD work. C) requires an opaque operating system. D) does not allow the processing of 3D solids. Answer:- A 46. AutoCAD uses cell decomposition ® a) to store and display modeling information. B) Boundary representations and sweeping distance. C) Constructive solid geometry. D) Pure primitive instancing. Answer:- B 47. All of the following examples are examples of solid primitives except the A) sphere. B) Cones. C) Dome. D) Pyramid. Answer:- C 48. The ISOLINES system variable specifies A) the number of segments in a tabular model. B) the number of contour lines that define a solid model. C) the direction of the contours in a solid model. D) the length of the segments in an extrusion. Answer:- B 49. All of the following objects can be extruded except for an A) arc. B) Polyline. C) Ellipse. D) Region. Answer:- A 50. To create a rotated solid, use the A) EDGESURF command. B) REVSURF command. C) REVOLVE command. D) EXTRUDE command. Answer:- C AUTOCAD Q&A pdf Download

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