# CAE-II-Unit-1-Hardware-Operating-Systems

Computer Aided Engineering

1. Email address *

2. First Name *

3. Last Name *

4. Email *

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. Process is *

*Mark only one oval.*

○ program in high level language kept on disk

○ contents of main memory

○ a program in execution

○ a job in secondary memory

7. Which of the following in NOT an Operating System? *

*Mark only one oval.*

○ Mac OS

○ Windows Explorer

○ Solaris

8. What is an Operating System? *

*Mark only one oval.*

○ It is an interface between the user and the hardware.

○ It is the first software that runs when the computer boots up.

○ It provides a platform for the user to run applications.

○ All of the above.

9. When saving your drawing, Auto-CAD automatically creates *

*Mark only one oval.*

○ A. a DWG File

○ B. a BAK File

○ C. Both A and B

○ D. None of the above

10. 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

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. What type of file would you need to 3D print a design prototype? *

*Mark only one oval.*

○ .dxf

○ .dwg

○ .stl

○ .rvt

13. DOS *

*Mark only one oval.*

○ Distributed Operating System

○ Date Of Service

○ Disk Operating System

○ Department of Statistics

14. The _____ is (are) primary storage in a computer. *

*Mark only one oval.*

○ DVD

○ Floppy Disk

○ USB Flash drive

○ None of the above

15. If you want to send a client electronic files of your design work, you would most likely send a *

*Mark only one oval.*

⬭ DWG file

⬭ PDF file

⬭ DXF file

⬭ STL File

16. DOS is multi-tasking and Windows is single tasking . *

*Mark only one oval.*

⬭ True

⬭ False

17. A document containing 100 characters would use 100 bytes. *

*Mark only one oval.*

⬭ True

⬭ False

18. Equipment and devices in a CAD system are known as _____. *

*Mark only one oval.*

⬭ Software

⬭ Hardware

⬭ Modules

⬭ Systems

19. Windows is based on Graphical User Interface. *

    *Mark only one oval.*

    ◯ True
    ◯ False

20. One of the advantages of RAM is that it can hold data without power. *

    *Mark only one oval.*

    ◯ True
    ◯ False

21. What does the alphanumeric keyboard provides to a computer system? *

    *Mark only one oval.*

    ◯ Output
    ◯ Input
    ◯ Storage
    ◯ Memory

22. The term RAM is *

    *Mark only one oval.*

    ◯ Read Analog Memory
    ◯ Can hold data without power
    ◯ Meant for permanent storage
    ◯ None of the above

23. 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

24. A single letter or character would use one byte of memory which equals *

*Mark only one oval.*

○ 4 bits

○ 8 bits

○ 16 bits

○ None of the above

25. A kilobyte is *

*Mark only one oval.*

○ 1024 terabytes

○ 1024 bytes

○ 1024 megabytes

26. 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

○ Dimensional input

27. What is an output device on a computer system? *

*Mark only one oval.*

○ Keyboard

○ CPU

○ Mouse

○ Monitor

28. If you want to provide the most protection for your Auto-CAD files, you should save *

*Mark only one oval.*

○ Back-up on a flash drive that the designer possesses

○ Mirrored hard drives and backed up on a DVD

○ Mirrored hard drives kept offsite

○ A hard drive, a flash drive, and a copy sent to personal email.

29. What provides the interface between drawing data and the plotter? *

*Mark only one oval.*

- ○ Printer
- ○ CAD software
- ○ Drawing media
- ○ Ink cartridge

30. The most prominent large corporations prefer to use mainframe computers because their biggest advantage is _____. *

*Mark only one oval.*

- ○ faster speed than any other computer
- ○ better capacity for hundreds of engineers and drafters to provide input on the same project
- ○ more and safer file storage than with any other type of computer

31. The acronym, RAM, means *

*Mark only one oval.*

- ○ Required Assistant Memory
- ○ Random Access Memory
- ○ Read All Memory
- ○ Random Accessory Memory

32. The acronym, CAD, stands for *

*Mark only one oval.*

- ⬭ Computer Analog Design
- ⬭ Computer Assisted Department
- ⬭ Computer Aided Drafting (or Design)
- ⬭ Computerized Anagram Drawing

33. The acronym, CAFM, stands for *

*Mark only one oval.*

- ⬭ Computer Analog For Managers
- ⬭ Computer Assisted Fire Manufacturing
- ⬭ Computerized Applications For Macros
- ⬭ Computer Aided Facilities Management

34. CAD software that is loaded onto a computer and shared by users on terminals is *

*Mark only one oval.*

- ⬭ Interlaced
- ⬭ Networked
- ⬭ A stand-alone
- ⬭ Virus-proof

35. The acronym, CAM, stands for *

*Mark only one oval.*

- ⬭ Computer Aided Manufacturing
- ⬭ Computer Assisted Measuring
- ⬭ Concise Analog Machining
- ⬭ Coordinate Aided Machining

36. The acronym, GUI, stands for _____, when discussing computer terms. *

*Mark only one oval.*

- ⬭ Graphical User Interface
- ⬭ Geographic's Unified Index
- ⬭ General and Uniform Identification
- ⬭ Graphics Universal Intercommunication

37. When using Auto-CAD, how can you avoid backwards drawing incompatibility when transferring files between users? *

*Mark only one oval.*

- ⬭ save file with STL extensions
- ⬭ save software file as earliest used version
- ⬭ save software file as latest used version
- ⬭ save software file as a uniform data code

38. Saving a drawing file as a _____ will allow the file to be viewed on almost any computer, even if the computer has no CAD program. *

*Mark only one oval.*

- ( ) .dxf
- ( ) .idw
- ( ) .dwg
- ( ) .pdf

39. To retrieve information from a hard drive, *

*Mark only one oval.*

- ( ) access the appropriate drive and open the file
- ( ) press CTRL, ALT, and F8
- ( ) right clicks and presses the space bar

40. To identify the date a CAD file was last modified, *

*Mark only one oval.*

- ( ) check the file properties
- ( ) double click on the file
- ( ) open and rename the file
- ( ) read the date on a hard copy

41. CAD file sizes are measured in *

*Mark only one oval.*

○ Inches

○ Pixels

○ Bytes

○ RAM

42. Creating folders on a computer hard drive is a good method of _____ information. *

*Mark only one oval.*

○ originating

○ organizing

○ editing

○ copying

43. What would you use to perform an electronic file transfer? *

*Mark only one oval.*

○ a printer

○ the monitor

○ email

○ a fax machine

44. The reason to create a back-up file is *

*Mark only one oval.*

○ to provide a copy for use when there is more than one computer system

○ to retain data in case an error occurs that damages the file

○ as a copy for a coworker to use offsite

○ for his/her personal use in case the software package used becomes obsolete

45. If a file is renamed, the file content will *

*Mark only one oval.*

○ remain unchanged

○ need to be changed

○ be modified

○ need to be copied

46. When using a template or prototype file drawing for the startup of a new drawing, it is important to _____ the template or prototype file. *

*Mark only one oval.*

○ modify

○ rename

○ purge

○ move

47. An example of a computer device that can be used for both input and output is a *

*Mark only one oval.*

○ Keyboard

○ Scanner

○ Digital Camera

○ Printer

48. In a computer System the letters ROM stand for *

*Mark only one oval.*

○ Read Only Memory

○ Recent Operations Map

○ Random Operational Memory

○ readable Objects Merge

49. Which of the following types of operating systems uses windows, icons and menus to carry out commands? *

*Mark only one oval.*

○ DOS

○ GUI

○ VMS

○ TSOS

50. The CPU *

   *Mark only one oval.*

   ( ) Stands for Central Processing Unit

   ( ) Is the electronic circuitry within a computer that carries out the instructions of a
   computer program

   ( ) Performs the basic arithmetic, logic, controlling and input/output operations

   ( ) All of the above

51. DOS and Windows are operating systems *

   *Mark only one oval.*

   ( ) True

   ( ) False

52. To retain data in case an error occurs that damages the file, it is important to store
   the file on a hard drive and *

   *Mark only one oval.*

   ( ) store the file only on a CD

   ( ) resave the file often

   ( ) create a backup file

53. Which of the following would be a good method to manage files? *

*Mark only one oval.*

- deleting file folders
- copying file folders
- creating file folders
- sharing file folders

54. What is one big advantage of using main frame computers? *

*Mark only one oval.*

- They are High level Computing.
- It processes the data at high speeds.
- Every business need high speed input and output more than normal speed.
- All of the above