




1. An example of an optical storage device is
  - A. RAM
  - B. Hard disk
  - C. DVD RW
  - D. Solid state drive
2. The key difference between 2<sup>nd</sup> and 1<sup>st</sup> generation of computers is that
  - A. Vacuum tubes replaced transistors
  - B. Vacuum tubes replaced integrated circuits
  - C. Transistors replaced vacuum tubes
  - D. Transistors replaced integrated circuits
3. Validation and verification checks in an SDLC are employed to ensure
  - A. Data security
  - B. Data integrity
  - C. Data protection
  - D. Data privacy
4. A malware that comes in the form of a good advert is called a
  - A. Virus
  - B. Worm
  - C. Logic bomb
  - D. Trojan horse
5. The processor speed is measured in
  - A. Hertz
  - B. Bits
  - C. Bytes
  - D. Seconds
6. Software used to solve user-specific problem is
  - A. Application software
  - B. Operating system
  - C. Utility software
  - D. Device drivers
7. The role of a file extension is to indicate the
  - A. Folder where the file can be located
  - B. Filename
  - C. Program used to open the folder
  - D. Encoding of data in the file
8. The computer component that controls the operations of a computer system is the
  - A. Main memory
  - B. Control button
  - C. Control unit
  - D. System unit
9. In a flow chart, the symbol  is used for
  - A. Decision
  - B. Output
  - C. Process
  - D. Print

10. In which type of programming does the user defines what needs to be done and the system figures out how to do it?

- A. Object oriented
- B. Procedural
- C. Declarative
- D. Imperative

11. Which of the following is an ergonomic design concern?

- A. RAM capacity
- B. Hard disk capacity
- C. Keyboard layout
- D. CPU speed

12. Data from the daily activities of a supermarket are processed by a(n)

- A. Transaction processing system
- B. Office automation system
- C. Decision support system
- D. Expert support system

13. Hardware that are connected to the system unit by way of ports are generally called

- A. Output devices
- B. Input devices
- C. Peripheral devices
- D. System devices

14. The truth table shows an output R for inputs A and B. R represents the ----- gate.

A	B	R
0	0	1
0	1	1
1	0	1
1	1	0

- A. OR
- B. AND
- C. NAND
- D. NOR

15. Placing a file on a server computer using the internet is called

- A. Downloading
- B. Internet loading
- C. Uploading
- D. Upgrading

16. A guide on how signals are transmitted across networks is the

- A. Logical topology
- B. Protocol
- C. Procedure
- D. Physical topology

17. A software is said to be user friendly if

- A. It can manipulate users easily
- B. Users can manipulate it easily
- C. It can be used to make friends
- D. Friends can use it to contact others



18. Flow charts have an advantage over pseudocodes because
- A. They can easily be drawn
  - B. They are closer to real programs
  - C. They simplify the writing of programs
  - D. Their symbols are universally accepted
- 
19. Desktop computers are examples of
- A. Mini computers
  - B. Micro computers
  - C. Mainframe computers
  - D. Embedded computers
- 
20. In project management, the duration of a project is determined by the
- A. PERT chart
  - B. Gantt chart
  - C. Slack time
  - D. Critical path
- 
21. Prevention of flow of intrusive data across a network is achieved by the use of
- A. Password
  - B. Antivirus
  - C. Firewall
  - D. Encryption
- 
22. The physical medium with the highest bandwidth is the
- A. Coaxial cable
  - B. Twisted pair cable
  - C. Untwisted pair cable
  - D. Optic fibre
- 
23. Software that is made to solve the problem of a particular organization is called
- A. Dedicated software
  - B. Tailor-made software
  - C. Single purpose software
  - D. Generic software
- 
24. The abbreviation FTP stands for
- A. File transmission protocol
  - B. File translation protocol
  - C. File transfer protocol
  - D. File transaction protocol
- 
25. An unauthorized user gains access to a system by violating
- A. Confidentiality
  - B. Piracy
  - C. Identification
  - D. Availability
- 
26. The logic gate that inverts the input given is
- A. AND gate
  - B. NOT gate
  - C. OR gate
  - D. XOR gate
- 
27. A programming language that uses instructions in the form of binary codes is the
- A. Assembly language
  - B. Machine language
  - C. High level language
  - D. Fourth generation language
- 
28. The integer data type can accept
- A. Real numbers only
  - B. Imaginary numbers only
  - C. Rational numbers only
  - D. Whole numbers only
- 
29. An algorithm written in a programming language becomes a
- A. Flow chart
  - B. Program
  - C. Pseudocode
  - D. Syntax
- 
30. Readable characters are converted to unreadable characters in a process called
- A. Password
  - B. Encryption
  - C. Coding
  - D. Decryption
- 
31. The process of finding errors and fixing them within a program is termed
- A. Compiling
  - B. Executing
  - C. Debugging
  - D. Scanning
- 
32. Using a computer in a way that reduces electrical and environmental waste is referred to as
- A. Cloud computing
  - B. Environmental computing
  - C. Green computing
  - D. Electrical computing
- 
33. Which of the following file format corresponds to multimedia data?
- A. TXT
  - B. MP3
  - C. MP4
  - D. JPEG
- 
34. Which of the following does not constitute a computer crime?
- A. Software piracy
  - B. Decryption
  - C. Phishing
  - D. Hacking
- 
35. The memory location below with the smallest access speed is the
- A. RAM
  - B. Flash disk
  - C. Hard disk
  - D. Register

36. The correct order of an SDLC is
- Planning, analysis, design, implementation, support
  - Planning, design, analysis, implementation, support
  - Planning, design, implementation, analysis, support
  - Planning, analysis, implementation, design, support
- 
37. The equivalence of the binary number 00111110 in the hexadecimal system is
- C3
  - 21
  - D4
  - 3E
- 
38. Which of the following devices uses hard copy input to send signals into the computer?
- Scanner
  - Keyboard
  - Photocopier
  - Printer
- 
39. A network-end device is generally referred to as
- Server
  - Hub
  - Node
  - Client
- 
40. This device is usually used to connect computers in a LAN. If it receives a message, it checks who it is addressed to, and only sends it to that specific computer
- Switch
  - Hub
  - Router
  - Proxy Server
- 
41. The worldwide interconnection of computers is referred to as the
- Web
  - Internet
  - WWW
  - WAN
- 
42. A system which receives input data through sensors and sends a warning signal if this data is outside the acceptable range is
- Monitoring system
  - Control system
  - Alarm system
  - Modeling system
- 
43. Using binary arithmetic, the difference of 1101 and 111 gives
- 11011
  - 111
  - 10100
  - 1010
- 
44. Which of the following represents a terabyte?
- $10^9$  bytes
  - $10^{12}$  bytes
  - $10^6$  bytes
  - $10^3$  bytes
- 
45. A software that will perform normally in different platforms is best described as
- Efficient
  - Reliable
  - Portable
  - Usable
- 
46. Software that has been made to perform a unique task is said to be
- Generic software
  - Bespoke software
  - Application software
  - Dedicated software
- 
47. A user is sent to a fake/bogus website after clicking on a link in an email received
- Pharming
  - Hacking
  - Phishing
  - Spamming
- 
48. Programming languages were introduced in the -- generation of computers.
- First
  - Second
  - Third
  - Fourth
- 
49. A conditional statement with two possible outcomes is
- WHILE....DO.....ENDWHILE
  - REPEAT....UNTIL
  - IF....THEN...ELSE...ENDIF
  - IF...THEN....ENDIF
- 
50. A teacher who delivers a live lesson to students at different geographical locations is doing so by:
- Teleconferencing
  - Videoconferencing
  - Computer assisted learning
  - Audio conferencing
- 

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