

MCQ FOR COMPETITIVE EXAMINATION (INFORMATION TECHNOLOGY)

(N.B: The correct option is highlighted with yellow colour)

1. Computer Monitor is also known as:
 - a. DVU
 - b. VUD
 - c. VDU**
 - d. CCTV
2. Arrange in ascending order the units of memory TB, KB, GB, MB
 - a. TB>MB>GB>KB
 - b. MB>GB>TB>KB
 - c. TB>GB>MB>KB**
 - d. GB>MB>KB>TB
3. Which one is the result of the output given by a computer
 - a. Data
 - b. Instruction
 - c. Information**
 - d. Excursion
4. Which one of these also known as read/write memory?
 - a. ROM
 - b. RAM**
 - c. DVD
 - d. Hard Disk
5. MS-Word is an example of _____
 - a. An operating system
 - b. A processing device
 - c. Application software**
 - d. An input device
6. Email address separates the user name from the ISP using the ___ symbol.
 - a. *
 - b. @**
 - c. !
 - d. ^
7. DNS is
 - a. The horizontal naming system**
 - b. The distributed hierarchical naming system
 - c. The vertical naming system
 - d. The client server system
8. Protecting the data from unauthorized access is called

- a. data inaccessibility
 - b. data encryption
 - c. data security
 - d. data validity
9. A world wide web contains web pages
- a. Created using HTML
 - b. With links to other web pages
 - c. Residing in many computers linked together using HTML
 - d. Residing in many computers
10. Which of the following is not a means of personal communication on the internet?
- a. E-mail
 - b. Instanotes
 - c. Instant messaging
 - d. Chat
11. Which of the following cannot be a part of an E-mail address?
- a. Underscore (_)
 - b. Space ()
 - c. At sign (@)
 - d. Period (-)
12. Which of the following is an application service for retrieving an web document?
- a. HTML
 - b. HTTP
 - c. FTP
 - d. SMTP
13. _____ allows you to access your Email from anywhere.
- a. Weblog
 - b. Message board
 - c. Webmail interface
 - d. Forum
14. Most mail programs automatically complete the following two parts in an E-mail

- a. Form : and Subject
- b. Form: and To
- c. From: and Date
- d. From: and Body

15. A compiler which allows only the modified section of the source code to be recompiled is called:

- a. Subjective compiler
- b. Dynamic compiler
- c. Re-configurable compiler
- d. Incremental compiler

16. A compiler is preferable to an interpreter because

- a. Debugging can be faster and easier
- b. If one changes a statement, only that statement needs re-compilation
- c. It is much helpful in the initial stages of program development
- d. It can generate standalone programs that often take less time for execution

17. A top-down parser generates

- a. Left-most derivation in reverse
- b. Left-most derivation
- c. Right-most derivation in reverse
- d. Right –most derivation

18. Which of the following parsers is the most powerful?

- a. SLR
- b. LALR
- c. Canonical LR
- d. Operator-precedence

19. A bottom-up parser generates

- a. Left-most derivation in reverse
- b. Left-most derivation
- c. Right-most derivation in reverse
- d. Right –most derivation

20. The bottom-up parsing method is also called

- a. Shift reduce parsing
- b. Predictive parsing

- c. Recursive descent parsing
 - d. None of these
21. The most general phase structured grammar
- a. Context sensitive
 - b. Context free
 - c. Regular
 - d. None of these
22. _____ is a technique that is used to send more than one call over a single line.
- a. Digital transmission
 - b. Infrared transmission
 - c. Digitizing
 - d. Multiplexing
23. The portion of server memory set aside to temporarily hold data packets from workstations is called:
- a. Dirty packet buffer
 - b. Packet block
 - c. Packet receive buffer
 - d. Packet cache buffer
24. What frequency range is used for FM radio transmission?
- a. Very high frequency : 30MHz to 300 MHz
 - b. High frequency : 3 MHz to 30 MHz
 - c. Low frequency : 30kHz to 300 kHz
 - d. Very low frequency : 3kHz to 30 kHz
25. ICMP (internet control message protocol) is a protocol
- a. used to monitor computers
 - b. that handles error and control messages
 - c. for transferring files from one machine to another
 - d. used to dynamically bind a high level IP address to a low-level physical hardware address
26. EBCDIC can code up to how many different characters?
- a. 64
 - b. 16
 - c. 256

d. 128

27. A software that allows a personal computer to pretend it, as a terminal is

a. Terminal emulation

b. Modem

c. Bulletin board

d. Auto-dialing

28. Stack is also called as

a. First in first out

b. First in last out

c. Last in last out

d. Last in first out

29. Any node in the path from the root to the node is called

a. Ancestor node

b. Successor node

c. Internal node

d. None of the above

30. A graph is a collection of nodes, called _____. And line segments called arcs or _____ that connect pair of nodes.

a. vertices, paths

b. vertices, edges

c. graph node, edges

d. edges, vertices

31. To represent hierarchical relationship between elements, Which data structure is suitable?

a. Graph

b. Tree

c. Dequeue

d. Priority

32. Header node is used as sentinel in

a. Queues

b. Stacks

c. Graphs

d. Binary tree

33. Which of the following data structure can't store the nonhomogeneous data elements?

a. Arrays

b. Stacks

c. Records

d. None of the above

34. The number of comparisons done by sequential search is

- a. $(N/2)+1$
 - b. $(N+1)/2$
 - c. $(N-1)/2$
 - d. $(N-2)/2$
35. The complexity of linear search algorithm is
- a. $O(n)$
 - b. $O(\log n)$
 - c. $O(n^2)$
 - d. $O(n \log n)$
36. The complexity of Binary search algorithm is
- a. $O(n)$
 - b. $O(\log n)$
 - c. $O(n^2)$
 - d. $O(n \log n)$
37. Which of the following is an example of Real Time Operating Systems?
- a. Lynx OS
 - b. Mac OS
 - c. UNIX
 - d. None of the above
38. In DOS, TYPE Command is used for:
- a. Display message on screen
 - b. Display the contents of a text file
 - c. Both a and b
 - d. None of the above
39. An Integer variable that is used to manage concurrent processes is called:
- a. Thread
 - b. Semaphore
 - c. Counter
 - d. Process
40. The operation of processing each element in the list is known as
- a. Traversal
 - b. Inserting
 - c. Merging
 - d. Sorting
41. The depth of a complete binary tree is given by
- a. $D_n = n \log_2 n$
 - b. $D_n = n \log_2 n + 1$
 - c. $D_n = \log_2 n$
 - d. $D_n = \log_2 n + 1$
42. Which of the following is an appropriate DOS command?
- a. CHANGE
 - b. LIST
 - c. FORMAT
 - d. DUPLICATE
43. The first task in the system analysis is
- a. Programming
 - b. Orientation and fact finding
 - c. The study of the processing operation

- d. Environmentally dependent
44. Which of the following is the application study?
- a. Documentation of systems analysis
 - b. Feasibility study
 - c. Documentation of the system design
 - d. Cost study of the system design
45. Data systems for planning are often called
- a. Decision analysis systems
 - b. Decision support system
 - c. Planning analysis systems
 - d. All of the above
46. In computer technology, what is meant by the phrase 'state of the art'?
- a. Latest
 - b. Best
 - c. Up to date
 - d. All of these
47. Which of the following storage is volatile?
- a. Core memory
 - b. D-ROM
 - c. Floppy disk
 - d. Semiconductor Memory
48. The in order traversal of tree will yield a sorted listing of elements of tree in-
- a. Merging
 - b. AVL Trees
 - c. Binary trees
 - d. Binary search trees
49. The data structure required for Breadth First Traversal on a graph is
- a. Queue
 - b. Stack
 - c. Array
 - d. None of the above
50. One can convert a binary tree into its mirror image by traversing it in
- a. Inorder
 - b. Preorder
 - c. Postorder
 - d. None of the above