Department Of Computer Science

Class:- B.Sc.-^{Ist} Sem

Sub:- C Programming

MCQ Question bank

1. The 'heart' of the processor Which of the following are themselves a collection of different data types?

A. String

B. Structure

C. Char

D. All of the mentioned

2. which performs many different operations _____
   a) Arithmetic and logic unit
   b) Motherboard
   c) Control Unit
   d) Memory
3. Number of bits in ALU is _____
   a) 4
   b) 8
   c) 16
   d) 2
4. User-defined data type can be derived by_____.
   A. struct
   B. enum
   C. typedef
   D. All of the mentioned
5. Which of the following is not a data type?
   a) Symbolic Data
   b) Alphanumeric Data
   c) Numeric Data
   d) Alphabetic Data
6. Which of the following is not a valid representation in bits?
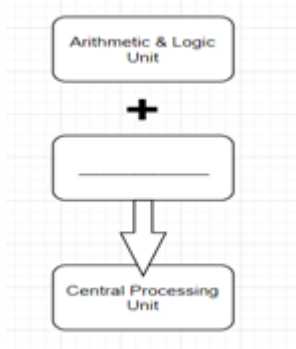   a) 8-bit
   b) 24-bit
   c) 32-bit
   d) 64-bit
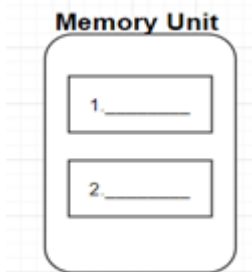7. What are the entities whose values can be changed called?
   a) Constants
   b) Variables

c) Modules
d) Tokens

8. Which of the following is not a basic data type in C language?
   a) float
   b) int
   c) real
   d) char

9. The output unit converts the data entered by the user into computer understandable form.
   a) True
   b) False

10. Fill in the blank in the diagram.

   a) Input Unit
   b) Memory Unit
   c) Control Unit
   d) I/O Unit

11. The two basic types of memory in a computer are _____

   a) Primary and major
   b) Primary and Secondary
   c) Minor and Major
   d) Main and virtual

12. Components that provide internal storage to the CPU are _____
   a) Registers
   b) Program Counters
   c) Controllers
   d) Internal chips

13. Saving data and instructions to make them readily available is the job of _____
   a) Storage Unit
   b) Cache Unit

c) Input Unit
d) Output Unit

14. A _____ monitor looks like a television and are normally used with non-portable computer systems.
    a) CRT
    b) LCD
    c) LED
    d) Flat Panel Monitors

15. Line Printers that print one line at a time are _____
    a) Laser Printers
    b) Inkjet Printers
    c) Drum Printers
    d) Chain Printers

16. A special request originated from some device to the CPU to acquire some of its time is called _____
    a) Disturbance
    b) Attenuation
    c) Interrupt
    d) Noise

17. The devices that used to give single or multiple colored images and drawings are _____
    a) Monitors
    b) Printers
    c) Plotters
    d) VDUs

18. The process of producing useful information for the user is called _____
    a) Controlling
    b) Outputting
    c) Inputting
    d) Processing

19. _____ define how the locations can be used.
    a) Data types
    b) Attributes
    c) Links
    d) Data Objects

20. The program written by the programmer in high level language is called _____
    a) Object Program
    b) Source Program
    c) Assembled Program
    d) Compiled Program

21. The first practical form of Random Access Memory was the _____
    a) SSEM
    b) Cathode Ray Tube
    c) William's Tube
    d) Thomas's Tube

22. Which of the following is used to hold running program instructions?
   a) **Primary Storage**
   b) Virtual Storage
   c) Internal Storage
   d) Minor Devices
23. Which of the following is non-volatile storage?
   a) Backup
   b) **Secondary**
   c) Primary
   d) Cache
24. Which of the following is used in main memory?
   a) SRAM
   b) **DRAM**
   c) PRAM
   d) DDR
25. Which of the following is not a characteristic of a computer?
   a) Diligence
   b) **I.Q.**
   c) Accuracy
   d) Versatility
26. How do you initialize an array in C?
   a) int arr[3] = (1,2,3);
   b) int arr(3) = {1,2,3};
   c) **int arr[3] = {1,2,3};**
   d) int arr(3) = (1,2,3);
27. Assuming int is of 4bytes, what is the size of int arr[15];?
   a) 15
   b) 19
   c) 11
   d) **60**
28. Which of the following is the correct syntax to send an array as a parameter to function?
   a) **func(&array);**
   b) func(#array);
   c) func(*array);
   d) func(array[size]);

29. Which of the following true about FILE *fp

   A. FILE is a keyword in C for representing files and fp is a variable of FILE type.
      B. FILE is a stream
      C. FILE is a buffered stream
      D. **FILE is a structure and fp is a pointer to the structure of FILE type**
30. The first and second arguments of fopen() are

   A. **A character string containing the name of the file & the second argument is the mode**
   B. A character string containing the name of the user & the second argument is the mode

C. A character string containing file pointer & the second argument is the mode
D. None of the mentioned

31. fseek() should be preferred over rewind() mainly because

A. rewind() doesn't work for empty files
B. rewind() may fail for large files
C. In rewind, there is no way to check if the operations completed successfully
D. All of the above

32. Which type of files can't be opened using fopen()?

A. .txt
B. .bin
C. .c
D. None of the above

33. When a C program is started, O.S environment is responsible for opening file and providing pointer for that file?

A. Standard input
B. Standard output
C. Standard error
D. All of the above

34. How many type of conversion are there in c?

A. 1
B. 2
C. 3
D. 4

35.Which conversion also called Automatic Type Conversion?

A. Implicit Type Conversion
B. Explicit Type Conversion
C. Both A and B
D. None of the above

36. Which of the following typecasting is accepted by C?

A. Widening conversions
B. Narrowing conversions
C. Widening & Narrowing conversions
D. None of the above

37.When do you need to use type-conversions?

A. The value to be stored is beyond the max limit
B. The value to be stored is in a form not supported by that data type
C. To reduce the memory in use, relevant to the value
D. All of the above

38. The process in which a function calls itself directly or indirectly is called?

  A. Recursion
  B. Type Conversions
  C. Constant
  D. Abstract Classes

39. Which of the following is not an example of recursion?

  A. Towers of Hanoi (TOH)
  B. DFS
  C. Inorder Tree Traversals
  D. SFS

40. When a recursive function is called in the absence of an exit condition, it results in an infinite loop due to which the stack keeps getting filled(stack overflow). This results in a run time error.

  A. TRUE
  B. FALSE
  C. Can be true or false
  D. Can not Say