

Latest Mphasis Paper

Mphasis selection procedure and test pattern Mphasis latest recruitment overview and Mphasis technical questions

- 1) what is new ?
- 2) What is difference between new and malloc ?
- 3) What is diff. between link list and array ?
- 4) How many normal forms we have ?
- 5) What is cursor ?
- 6) What is spiral model ?
- 7) What are various phases of sdlc ?
- 8) What is the time complexity of following C code
- 9) Name some protocols !
- 10) In unix .profile contains
Ans. Start up program
- 11) Tell diff. b/w c and c++ ?
- 12) If in a circular queue, front and rear are at adjacent location then this is the condition for (overflow).
13. If address location is not allotted, malloc function returns (null pointer).
14. Notation for calloc is (p=(ptr *)calloc(10,6)).
15. Which of them returns a null pointer (malloc)?
- 16 Stack work on the basis of (LIFO).
- 17 An array is a (Collection of similar elements stored at adjacent memory location).
- 18 First element of a tree is (Root).

```
h. Main()
{ int a=5;
printf(a%d,a);
main();
getch();
```

}

(No output).

19 What is memory management.?

20 What is 8085,8086?

21 Difference between 8085,8086?

22 What is segmentation of memory and others questions?

23 which of d following is efficient sorting algorithm.

- 1) Heap sort
- 2) Bubble sort
- 3) Selection sort
- 4) Quick sort

24 The following code consist of some error what is d error.

25 What is recursion

26 Write a pgm to swap two variable without using third variable...

27 What is constructor, destructor...etc

28 How is linked list implemented

Ans. By referential structures

29. What is meant by functional dependency

30. What is a semaphore

Ans. A method synchronization of multiple processes

31. What is the precedence order from high to low ,of the symbols () ++ /

Ans.() , ++, /

32 Preorder of $A*(B+C)/D-G$

Ans.*+ABC/-DG

33 B-tree (failure nodes at same level)

34. Dense index (index record appears for every search -key in file)

35. What is the efficiency of merge sort

Ans. $O(n \log n)$

36 program on swapping (10,5)was given (candidate cannot recollect)

37. Which of the following sorting algorithm has average sorting behavior -- Bubble sort, merge sort, heap sort, exchange sort

Ans. Heap sort

38. In binary search tree which traversal is used for getting ascending order values--Inorder ,post order,preorder

Ans. Inorder

39 What are device drivers used for

Ans. To provide software for enabling the hardware

40 Irrelevant to unix command (getty)

41 What is fork command in unix

Ans. System call used to create process

42. What is make command in Unix

Ans. Used for creation of more than one file

43 In unix .profile contains

Ans. Start up program

44. In unix echo is used for

45 What is meant by polymorphism

Ans. Redefinition of a base class method in a derived class

46 . What is the essential feature of inheritance

Ans. All properties of existing class are derived

47 . What does the protocol FTP do

Ans. Transfer a file b/w stations with user authentication

48 . In the transport layer ,TCP is what type of protocol

Ans. Connection oriented

49 . Why is a gateway used

Ans. To connect incompatible networks

50 . Preorder of $A*(B+C)/D-G$

Ans. $*+ABC/-DG$

51. Dense index (index record appears for every search -key in file)

52. A program on swapping (10,5)was given (candidate cannot recollect)

53. Irrelevant to unix command (getty)

54. What is fork command in unix

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