

# C & C++ Test

MM: 100

1. WAP to sort all the structure objects from a file by name. 10
2. How to solve file inclusion confliction in our file explain with suitable example. 5
3. What is ftell and explain fseek and it's all 3 positions with Syntax in C. 5
4. Write both methods which is used in C to read or write struct objects in/from file. 5
5. Let I have stored 50 structure objects (64 bytes each) in a file after reading 6 objects. Then I wrote fseek (fp, -64,1) after that I have stored a new object of 64 bytes then what will it result explain with diagram. 5
6. WAP to print all the objects of class from file in C++. 4
7. Write both methods which is used in C++ to read or write struct objects in/from file. 5
8. WAP to store 5 sentences in a text file and then read those lines from that file. 3
9. Take 10-character input from user and count the number of special characters, numeric, capital and small Alphabets from an array. 5
10. Write a function in which we take 2-character array type parameters and return 1 if first string are greater than second string, -1 if first string is less than second string and 0 if both strings are same. 5
11. Explain any 5 different types of modes while opening a file. 5

12. Take a number from user and count its length and the sum of odd and even numbers present in that number then let these 2 results as first and second term and make Fibonacci series from them till n (the length of that number) term. 10

let num=321578      OddSum=16 evenSum=10    digitLen=6

16 10 26 36 62 98 Ans.

13. What do you mean by abstraction and encapsulation. 3

14. Search a user's record from a file containing users class object and password must be hidden with stars on console. 5

15. Take a user's id , name ,phoneno,address in same order and also ensure that there should be no character skips in this. 3

16. What will be the output of following: 4

(i) printf("|%8s","Aman")

(ii) printf("|%-9s","Aman");

(iii) printf("|%13d",50);

(iv) printf("|%8.3f",50.67777);

17. which function is used to maintain padding from left or right in C++. 3

18. What do you mean by Typecasting and reinterpret\_cast explain. 5

19. How to delete a specific user's data from a file containing student class objects in C++. 5

20. Define a structure/class point and take 3-point structure/class object from user and store in file then read those objects from file and find the area of the triangle 5

let vertices of triangle are A (x1, y1), B (x2, y2), and C(x3,y3).

Then area (ABC) =  $|1/2 \{x_1(y_2 - y_3) + x_2(y_3 - y_1) + x_3 (y_1 - y_2)\} |$