

Code: A-C616123-A

I SEMESTER EXAM - 2025-26

2 x 160

Std.: XII

Sub: Computer Science - I

Marks: 50

Date:

Roll No.: _____

Time: 3 hrs

Q.1 A) Select the correct alternative and rewrite the following.

(4)

- a) colspan attribute is used with _____ tag.
i) <table> ii) <tr> iii) <td> iv) All of these
- b) An attribute which defines URL of document to be linked in <A> tag is _____.
i) REF ii) VREF iii) HREF iv) ALT
- c) If any access specifier is not specified for member function or data member in class then by default it is _____.
i) public ii) private iii) protected iv) void
- d) Which of the following is a scope resolution operator?
i) :: ii) : iii) ?: iv) =

B) Answer any two of the following :

(6)

- a) Explain in brief any six data structure operations.
- b) Explain the following C++ string library functions:
i) strlen () ii) strcmp ()
- c) Define the following terms:
i) Group items ii) Elementary items iii) Entity

Q.2 A) Answer any two of the following.

(6)

- a) Explain the following HTML tags with an example.
i) <a> ii) <p>
- b) What is data structure? Explain linear and non-linear data structure.
- c) Write the characteristics of friend function in C++.

B) Answer any one of the following.

(4)

- a) Describe how member functions of a class are defined outside the class definition and inside the class definition.
- b) Explain bubble sort algorithm with an example.

Q.3 A) Answer any two of the following.

(6)

- a) What is traversing an array? Write the algorithm for traversing a linear array.
- b) Explain three HTML tags that do not have closing tags.
- c) Explain in short the three special characteristics of static data member in class.

B) Answer any one of the following.

(4)

- a) Explain following concepts related to object oriented programming.
i) Objects ii) data encapsulation iii) class iv) data hiding
- b) Explain with flowcharts the following control structures:
i) Sequence logic ii) Selection logic iii) Iteration logic

Q.4.A) Answer any two of the following.

(6)

- a) Explain the three attributes of tag in HTML.
- b) Write a C++ code (not entire program) to define main() function with a local variable - loc and a global variable - glo. Initialize the global variable with value 72 and initialize the local variable with global variable.
- c) Differentiate between procedural oriented programming approach and object oriented programming approach.

P.T.O

B) Answer any one of the following :**(4)**

- a) i) Explain Scope resolution operator.
ii) Explain pointers in C++.
- b) Explain call by reference in C++ with an example.

Q.5 Answer any two of the following.**(10)**

- a) Write a C++ program to read a string from the user (max. 50 characters]. The program must replace all the characters 'm' with 'M' in the given string. Print the original string and modified string as well.

- b) Write an HTML code to display following output:

Service of Operating System

- Information Management
 - File System
 - 1. Tape Based System
 - 2. Disk based System

- Process Management

- Memory Management

- c) Write a C++ program to read an array of 10 float values. The program must print the array values using pointer.

OR

- a) Write an Object oriented program to compute area and circumference of the circle.
- b) Write a program in C++ to accept two integer values in main() function, pass them to a function great () . The great () function will find and return the greatest integer. Print the result from main() .
- c) Write an HTML code for following output:

RESULT	
<u>JEE</u>	<u>CET</u>

- d) For any query **click here**.

Note :

- i) JEE is a link to open a Webpage JResult.HTML
 - ii) CET is a link to open a Webpage CResult.HTML
 - iii) Click here is a link to open website www.jeemain.nic.in
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