

Question No : 1 of 26

Marks: 1 (Budgeted Time 1 Min)

The memory address of the first element of an array is called

Answer (Please select your correct option)

- ☐ floor address
- ☐ foundation address
- ☐ first address
- ☐ base address

correct

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Question No : 2 of 26

Marks: 1 (Budgeted Time 1 Min)

We want to access array in random order which of the following approach is better?

Answer (Please select your correct option)

- ☐ Pointers
- ☐ Array index
- ☐ Both pointers and array index are better
- ☐ Matrix

correct

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Question No : 3 of 26

Marks: 1 (Budgeted Time 1 Min)

The _____ structure is a multiple-selection construct which makes the code more efficient and easy to read and understand.

Answer (Please select your correct option)

- ☐ multiple-if
- ☐ switch
- ☐ if-else
- ☐ else-if

correct

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Question No : 4 of 26

Marks: 1 (Budgeted Time 1 Min)

Which of the following is not a reserved word in C/C++?

Answer (Please select your correct option)

- ☐ int
- ☐ float
- ☐ double
- ☐ sum

correct

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Question No : 5 of 26

Marks: 1 (Budgeted Time 1 Min)

To access rand(), which library is required to be included in program ?

Answer (Please select your correct option)

- ☐ conio.h
- ☐ stdio.h
- ☐ stdlib.h
- ☐ iostream.h

correct

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Question No : 6 of 26

Marks: 1 (Budgeted Time 1 Min)

What is the highest legal index for the following array?
int arr[4]

Answer (Please select your correct option)

- ☐ 4
- ☐ 3
- ☐ 2
- ☐ 1

correct

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Question No : 7 of 26

Marks: 1 (Budgeted Time 1 Min)

When an array element is passed to a function, it is passed by _____.

Answer (Please select your correct option)

☐ reference

correct

☐ data type

☐ value

☐ data

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Question No : 8 of 26

Marks: 1 (Budgeted Time 1 Min)

While programming, it is good to provide an easy to understand and easy to use interface; this programming skill is called _____.

Answer (Please select your correct option)

☐ scalability

☐ usability

correct

☐ reliability

☐ sustainability

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Question No : 9 of 26

Marks: 1 (Budgeted Time 1 Min)

Word processor is a type of a/an _____.

Answer (Please select your correct option)

☐ operating system

☐ application software

correct

☐ device driver

☐ utility software

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Question No : 10 of 26

Marks: 1 (Budgeted Time 1 Min)

'while' loop may execute _____ or more times.

Answer (Please select your correct option)

- ☐ three
- ☐ zero
- ☐ two
- ☐ one

correct

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Question No : 11 of 26

Marks: 1 (Budgeted Time 1 Min)

The keyword _____ is used to get some value back from a function.

Answer (Please select your correct option)

- ☐ return
- ☐ break
- ☐ continue
- ☐ goto

correct

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Question No : 12 of 26

Marks: 1 (Budgeted Time 1 Min)

Identify the correct option which is used for calling the function float area (int).

Answer (Please select your correct option)

- ☐ area(&num) ;
- ☐ area(num) ;
- ☐ area(int num) ;
- ☐ area(*num) ;

correct

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Question No : 13 of 26

Marks: 1 (Budgeted Time 1 Min)

The _____ statement allows us to select from multiple choices based on a set of fixed values for a given expression.

Answer (Please select your correct option)

☐ switch

correct

☐ break

☐ continue

☐ goto

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Question No : 14 of 26

Marks: 1 (Budgeted Time 1 Min)

C is widely known as development language of _____ operating system.

Answer (Please select your correct option)

☐ Windows

☐ Unix

correct

☐ Mac OS

☐ Linux

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Question No : 15 of 26

Marks: 1 (Budgeted Time 1 Min)

To convert the value of one type into another type using built-in functions, we include _____ header file.

Answer (Please select your correct option)

☐ conio.h

☐ stdlib.h

correct

☐ iostream.h

☐ string.h

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Question No : 16 of 26

Marks: 1 (Budgeted Time 1 Min)

Syntax of a union is identical to _____.

Answer (Please select your correct option)

☐ structure

correct

☐ class

☐ function

☐ loop

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Question No : 17 of 26

Marks: 1 (Budgeted Time 1 Min)

The function seekg() takes _____ parameter(s).

Answer (Please select your correct option)

☐ 0

☐ 1

☐ 2

correct

☐ 3

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Question No : 18 of 26

Marks: 1 (Budgeted Time 1 Min)

The function write() takes _____ as parameter(s).

Answer (Please select your correct option)

☐ String of pointer type

☐ String of variable lengths, no. of bytes to be read and flags

☐ Pointer array of characters and a delimiter

☐ String and no. of bytes to be written

correct

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Question No : 19 of 26

Marks: 1 (Budgeted Time 1 Min)

When the logical operator AND (&&) combines two expressions exp1 and exp2 then the result will be true only _____

Answer (Please select your correct option)

☐ When both exp1 and exp2 are true

correct

☐ When both exp1 and exp2 are false

☐ When exp1 is true and exp2 is false

☐ When exp1 is false and exp2 is true

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Question No : 20 of 26

Marks: 1 (Budgeted Time 1 Min)

Null character is used to indicate the _____ of string.

Answer (Please select your correct option)

☐ Start

☐ End

correct

☐ Begin

☐ Middle

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Question No : 21 of 26

Marks: 2 (Budgeted Time 4 Min)

A two-dimensional array has 3 rows and 4 columns. Write down the syntax to initialize first element of all three rows of two-dimensional array with value 2.

Answer (Please [click here](#) to Add Answer)

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Question No : 22 of 26

Marks: 2 (Budgeted Time 4 Min)

Identify any logical or syntax error in the statement below and explain the reason of the error.

```
seekg (-10L, ios::beg);
```

Answer ([Please click here to Add Answer](#))

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Question No : 23 of 26

Marks: 3 (Budgeted Time 6 Min)

Using the given array declaration:

```
int arr[] = {1, 2, 3, 4, 5, 6, 7, 8, 9};  
int* arr_ptr = arr;
```

Find out the value of each of the expressions below.

Answer ([Please click here to Add Answer](#))

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Question No : 23 of 26

Marks: 3 (Budgeted Time 6 Min)

```
int* arr_ptr = arr;
```

Find out the value of each of the expressions below.

1. `*(arr_ptr + 4)`
2. `*(arr_ptr)++`
3. `*(arr_ptr++)`

Answer ([Please click here to Add Answer](#))

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Question No : 24 of 26

Marks: 3 (Budgeted Time 6 Min)

If you are provided two methods for accessing a file; random and sequential. Which method will you prefer and why?

Answer (Please [click here](#) to Add Answer)

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Question No : 25 of 26

Marks: 5 (Budgeted Time 10 Min)

Following are two programming statements; you have to write down the functionality of each statement?

- 1) `int *const intPtr = &x;`
- 2) `const int *intPtr = &x;`

Answer (Please [click here](#) to Add Answer)

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Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

Find out errors in the program if any and after correction, write the output.

```
int main()
{
    ofstream outfile;
    long position;
```

Answer (Please [click here](#) to Add Answer)

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Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

```
long position;  
char outfileName[] = "abc.txt";  
outfile.open(outfileName);  
if(!outfile)  
{  
    cout<<"Error Occured while opening a file";  
}
```

Answer (Please [click here](#) to Add Answer)

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Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

```
cout<<"Error Occured while opening a file";  
exit(1);  
}  
outfile.write("This is a car", 12);  
position = outfile.tellp();  
outfile.seekp(position-5);  
outfile.write("jar", 3);
```

Answer (Please [click here](#) to Add Answer)

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Question No : 26 of 26

Marks: 5 (Budgeted Time 10 Min)

```
position = outfile.tellp();  
outfile.seekp(position-5);  
outfile.write("jar", 3);  
outfile.close();  
return 0;  
}
```

Answer (Please [click here](#) to Add Answer)

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