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

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

**Answer ( Please select your correct option )**

○ Pointers

correct

○ Array index

○ Both pointers and array index are better

○ Matrix

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

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

**Answer ( Please select your correct option )**

○ int

○ float

○ double

○ sum

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

**Answer ( Please select your correct option )**

○ conio.h

○ stdio.h

○ stdlib.h     correct

○ iostream.h

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

correct

○ 2

○ 1

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

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

Word processor is a type of a/an _____.

**Answer ( Please select your correct option )**

○ operating system

○ application software

○ device driver

○ utility software

correct

'while' loop may execute _____ or more times.

**Answer ( Please select your correct option )**

○ three

○ zero

○ two

○ one

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

**Answer ( Please select your correct option )**

○ return

○ break

○ continue

○ goto

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) ;

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

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

**Answer ( Please select your correct option )**

○ Windows

○ Unix

○ Mac OS

○ Linux

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

○ iostream.h

○ string.h

correct

Syntax of a union is identical to _____ .

**Answer ( Please select your correct option )**

○ structure

○ class

○ function

○ loop

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

**Answer ( Please select your correct option )**

○ 0

○ 1

○ 2     correct

○ 3

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

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

○ When both exp1 and exp2 are false

○ When exp1 is true and exp2 is false

○ When exp1 is false and exp2 is true

Null character is used to indicate the _____ of string.

**Answer ( Please select your correct option )**

○ Start

○ End

correct

○ Begin

○ Middle

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 )**

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 )**

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 )**

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 )**

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 )**

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 )**

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

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

```
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 )**

```
        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 )**

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

**Answer ( Please click here to Add Answer )**