**Entry Quiz Name: Score:**

**Q 1** - What is the output of the following code snippet?

#include<stdio.h>

main()

{

int const a = 5;

a++;

printf(“%d”,a);

}

[A - 5](javascript:void(0);)

[B - 6](javascript:void(0);)

[C - Runtime error](javascript:void(0);)

[D - Compile error](javascript:void(0);)

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**Q 2** - Which of the following variable cannot be used by switch-case statement?

[A - char](javascript:void(0);)

[B - int](javascript:void(0);)

C – float

[D - Double](javascript:void(0);)

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**Q 3** - What will be the output of the given below code?

#include<stdio.h>

int main()

{

const int \*ptr = &i;

char str[] = "Welcome";

s = str;

while(\*s)

printf("%c", \*s++);

return 0;

}

A - Welcome

[B - 0](javascript:void(0);)

[C - Wel](javascript:void(0);)

[D - Come](javascript:void(0);)

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**Q 4** - If there's no base criteria in a recursive program, the program will

[A - not be executed.](javascript:void(0);)

[B - execute until all conditions match.](javascript:void(0);)

[C - execute infinitely.](javascript:void(0);)

[D - obtain progressive approach.](javascript:void(0);)

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**Q 5** - A circular linked list can be used for

[A - Stack](javascript:void(0);)

[B - Queue](javascript:void(0);)

C - Both Stack & Queue

[D - Neither Stack or Queue](javascript:void(0);)

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**Q 6** - How many swaps are required to sort the given array using bubble sort - { 2, 5, 1, 3, 4}

{2, 1, 3, 4, 5} – 3

{1, 2, 3, 4, 5} - 1

[A - 4](javascript:void(0);)

[B - 5](javascript:void(0);)

[C - 6](javascript:void(0);)

[D - 7](javascript:void(0);)

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**Q 7** - In C programming language, a function prototype is a declaration of the function that just specifies the function’s interface (function's name, argument types and return type) and extracts the body of the function. By defining the function, we get to know what action a particular function is going to perform.

A - True

[B - False](javascript:void(0);)

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**Q 8** - In a competition, four different functions are observed. All the functions use a single for loop and within the for loop, same set of statements are executed. Consider the following for loops:

1) for(i = 0; i < n; i++)

2) for(i = 0; i < n; i += 2)

3) for(i = 1; i < n; i \*= 2)

4) for(i = n; i > -1; i /= 2)

If n is the size of input(positive), which function is most efficient(if the task to be performed is not an issue)?

[A -](javascript:void(0);) 1

[B -](javascript:void(0);) 2

[C -](javascript:void(0);) 3

[D -](javascript:void(0);) 4

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**Q 9** - Which of the following sorting algorithms has the lowest worst-case complexity?

[A -](javascript:void(0);) Merge Sort

[B -](javascript:void(0);) Bubble Sort

[C -](javascript:void(0);) Quick Sort

[D -](javascript:void(0);) Selection Sort

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**Q 10** - What is the output of the following program?

#include<stdio.h>

void main()

{

char \*s = "C++";

printf("%s ", s);

s++;

printf("%s", s);

}

A - C++ C++

B - C++ ++

C - ++ ++

D - Compile error

1. D

2. C

3. A

4. C

5. C

6. A

7. A

8. C

9. A

10. B