Question-Answers:

Section - 1 - MCQ

Question 1:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **1/1**
Time spent: **40 secs**

In the C programming language, what does a union serve as?

- ✓ To store different data types in the same memory location
- To store the same data type in different memory locations
- To store different data types in different memory locations
- None of these

Candidate Answer:

- ✓ To store different data types in the same memory location

Question 2:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **1/1**
Time spent: **7 mins, 39 secs**

The purpose of the puts() function in C language is _____?

- ✓ To write a string to the screen
- To read a string from the screen
- To compare two strings
- None of these

Candidate Answer:

- ✓ To write a string to the screen

Question 3:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **1/1**
Time spent: **29 secs**

What is the purpose of the strlen() function in C language?

- ✓ To determine the length of a string
- To compare two strings
- To copy a string to another string
- None of these

Candidate Answer:

- ✔ To determine the length of a string

Question 4:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **1/1**
Time spent: **22 secs**

Choose the valid syntax for a do-while loop in C language?

- while(condition){}
- ✔ do{} while(condition);
- for(;;){}
- None of the mentioned options

Candidate Answer:

- ✔ do{} while(condition);

Question 5:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **1/1**
Time spent: **15 secs**

Maximum number of elements in the array declaration int a[5][8]is

- ✔ 40
- 32
- 35
- 28

Candidate Answer:

- ✔ 40

Question 6:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **1/1**
Time spent: **22 secs**

The continue command cannot be used with

- for
- ✔ switch
- do
- while

Candidate Answer:

switch

Question 7:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **1/1**
Time spent: **12 secs**

Continue statement is used

- To go to the next iteration in a loop
- Come out of a loop
- Exit and return to the main function
- Restarts iterations from beginning of loop

Candidate Answer:

To go to the next iteration in a loop

Question 8:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **1/1**
Time spent: **2 mins, 1 sec**

What is the difference between a #define and a constant in C language?

- #define is a preprocessor directive. Constants are used to make variables constant such that never change during execution once defined.
- Constants are preprocessor directives, #define is a variable
- Both #define and constants are preprocessor directives
- None of the mentioned options

Candidate Answer:

#define is a preprocessor directive. Constants are used to make variables constant such that never change during execution once defined.

Question 9:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **1/1**
Time spent: **20 secs**

What is the purpose of a goto statement in C language?

- To jump to a specific label in the program
- To exit a loop
- To exit a function

To exit a function

All of the mentioned options

Candidate Answer:

To jump to a specific label in the program

Question 10:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **1/1**
Time spent: **1 min, 19 secs**

What is the syntax for declaring an enumerated data type in C language?

enum enumeration_name;

enum {enumeration_list};

enum enumeration_name {enumeration_list};

None of these

Candidate Answer:

enum enumeration_name {enumeration_list};

Section - 2 - MCQ

Question 1:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **2/2**
Time spent: **19 mins, 6 secs**

What will be the output, assuming that an integer takes 4 bytes and a pointer takes 8 bytes?

```
#include<stdio.h>
void func(int []);
void func(int a[]) {
printf("%lu", sizeof(a)/sizeof(a[0]));
}
int main() {
int a[10];
func(a);
}
```

40

2

10

4

Candidate Answer:

2

Question 2:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **2/2**
Time spent: **4 secs**

What will be the output of the following code?

```
#include<stdio.h>
int main()
{
int i = 0;
do
{
i++;
if (i <= 3)
continue;
printf("In loop ");
} while (i < 3);
printf("%d\n", i);
}
```

- In loop 3In loop 3In loop3
- 3
- Infinite loop
- 4.3 3 3

Candidate Answer:

3

Question 3:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **2/2**
Time spent: **3 secs**

What will be the output of the following C code?

```
#include<stdio.h>
void main()
{
char *s = "hello";
char *p = s;
printf("%c\t%c", *(p + 1), s[1]);
}
```

- h e
- e h
- h h

e e

Candidate Answer:

e e

Question 4:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **2/2**
Time spent: **3 secs**

What will be the output of the following C code?

```
#include<stdio.h>
int main()
{
double *ptr = (double *)100;
ptr = ptr + 2;
printf("%u", ptr);
}
```

- 116
- 102
- 108
- 104

Candidate Answer:

116

Question 5:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **2/2**
Time spent: **3 secs**

What will be the output of the following C code?

```
#include<stdio.h>
void main()
{
int x = 0;
int *ptr = &5;
printf("%p\n", ptr);
}
```

- Compile time error
- 5
- Address of 5
- Nothing