Question-Answers:

Section - 1 - MCQ

Question 1:

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

Score: **1/1**
Time spent: **48 secs**

Comment on the following pointer declaration
int *ptr,p;

- ✓ ptr is a pointer to integer, p is not
- ptr and p, both are pointers to integer
- ptr is a pointer to integer, p may or may not be
- ptr and p both are not pointer

Candidate Answer:

✓ ptr is a pointer to integer, p is not

Question 2:

Total Time Spent Outside: **0 sec**
Total Move Count: **2**

Score: **1/1**
Time spent: **2 mins, 17 secs**

What will be the output of the following C code?

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

- 0 1
- Different address
- ✓ Compile time error
- Same address

Candidate Answer:

✓ Compile time error

Question 3:

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

Score: **1/1**
Time spent: **3 mins, 8 secs**

What will be the output of the following C code?

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

- Varies
- ✓ Same address
- Different address
- Compile time error

Candidate Answer:

✓ Same address

Question 4:

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

Score: **1/1**
Time spent: **2 mins, 33 secs**

What are the different ways to initialize an array with all elements as zero?

- Int array[5]={};
- Int array[5]={0};
- Int a=0, b=0,c =0; Int array[5]={a,b,c};
- ✓ All of the mentioned options

Candidate Answer:

✓ All of the mentioned options

Question 5:

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

Score: **1/1**
Time spent: **1 min, 4 secs**

The disadvantage of arrays is?

- Data structure like queue or stack cannot be implemented
- ✓ There are chances of wastage of memory space if elements inserted in an array are lesser than the allocated size
- Index value of an array can be negative

○ Elements are sequentially accessed

Candidate Answer:

✓ There are chances of wastage of memory space if elements inserted in an array are lesser than the allocated size

Question 6:

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

Score: **1/1**
Time spent: **5 mins, 3 secs**

Assuming int is of 4 bytes, what is the size of int arr[15]; ?

○ 15

○ 19

○ 11

✓ 60

Candidate Answer:

✓ 60

Question 7:

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

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

Elements in the array are accessed …………………

✓ Randomly

○ Sequentially

○ Exponentially

○ Logarithmically

Candidate Answer:

✓ Randomly

Question 8:

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

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

The default parameter passing mechanism is?

○ call by reference

○ call by value result

[✓ call by value]

None of these

Candidate Answer:

✓ call by value

Question 9:

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

Score: **1/1**
Time spent: **33 secs**

Any C program?

[✓ need at least one function]

need some input data

need not have any function

None of these

Candidate Answer:

✓ need at least one function

Question 10:

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

Score: **1/1**
Time spent: **1 min, 54 secs**

In what sequence the initialization, testing and execution of the body is done in a do-while loop?

[✓ Initialization, execution of body, testing]

Execution of body, initialization, testing

Initialization, testing, execution of body

None of these

Candidate Answer:

✓ Initialization, execution of body, testing

Section - 2 - MCQ

Question 1:

Total Time Spent Outside: **0 sec**
Total Move Count: **1**

Score: **2/2**
Time spent: **1 min, 47 secs**

Consider the following code:
```
#include<stdio.h>
void main()
{
int a[10] = { 1,2,3,4,5,6,7,8,9,10};
int *p;
p = &a[9];
for(int i = 0; i<10; i++)
{
printf("%d ", *p);
p--;
}
}
```
The above code will print

- Has syntax errors
- Will print garbage values
- Will print : 1 2 3 4 5 6 7 8 9 10
- ✓ Will print : 10 9 8 7 6 5 4 3 2 1

Candidate Answer:

- ✓ Will print : 10 9 8 7 6 5 4 3 2 1

Question 2:

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

Score: **2/2**
Time spent: **8 mins, 58 secs**

What will be the output of the following code?
```
#include<stdio.h>
void main()
{
int a[10] = { 1,2,3,4,5,6,7,8,9,10};
int b[10] = { 1,2,3,4,5,6,7,8,9,10};
int j = 9;
for(int i = 0; i<10; i++)
{
b[j] = a[i];
j--;
}
for(int i = 0; i<10 ; i++ )
printf("%d ", b[i]);
}
```

- 1 2 3 4 5 6 7 8 9 10
- ✓ 10 9 8 7 6 5 4 3 2 1
- 9 8 7 6 5 4 3 2 1 10

○ 9 8 7 6 5 4 3 2 1

Candidate Answer:

✓ 10 9 8 7 6 5 4 3 2 1

Question 3:

Total Time Spent Outside: **0 sec**
Total Move Count: **1**

Score: **2/2**
Time spent: **3 mins, 4 secs**

Consider the following code.

```
#include<stdio.h>
#include<string.h>
int main()
{
char one[60] = "sachin suresh mahesh";
char two[60] = "anita sunita kriti";
char * ptr = strstr(one, "suresh");
char * ptr2 = strchr(two, 's');
printf("%s", ptr);
printf("%s", ptr2);
return 0;
}
```

It will print:

○ suresh sunita

○ ss

✓ suresh maheshsunita kriti

○ sachin anita

Candidate Answer:

✓ suresh maheshsunita kriti

Question 4:

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

Score: **2/2**
Time spent: **1 min, 36 secs**

Consider the following code:

```
#include<stdio.h>
void main()
{
int i = 3, j = 3;
for(i ; i; i)
{
for(j; j; j)
{
printf("%d " , i-- + j--);
}
```