Question-Answers:

Section - 1 - MCQ

Question 1:

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

Score: **1/1**
Time spent: **24 secs**

Which of the following does not initialize ptr to null (If variable declaration of a as int a=0;)?

- int*ptr=a-a;
- ✓ int*ptr=&a;
- int*ptr=&a-&a;
- All of the mentioned

Candidate Answer:

- ✓ int*ptr=&a;

Question 2:

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

Score: **1/1**
Time spent: **39 secs**

Pointers are of

- Integer data type
- Character data type
- Unsigned integer data types
- ✓ None of these

Candidate Answer:

- ✓ None of these

Question 3:

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

Score: **1/1**
Time spent: **32 secs**

A type cast is used to

- ✓ Force a value to be a particular variable type
- Define a new data type
- Rename an old type
- None of these

Candidate Answer:

- [x] Force a value to be a particular variable type

Question 4:

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

Score: **0/1**
Time spent: **2 mins, 1 sec**

Which is the correct way to declare a pointer?

- [ ] int* ptr;
- [ ] int *ptr;
- [x] a and b both
- [ ] *int ptr;

Candidate Answer:

- [x] int *ptr;

Question 5:

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

Score: **1/1**
Time spent: **24 secs**

Array subscripts in C always start at

- [ ] -1
- [ ] 1
- [x] 0
- [ ] Value provided by user

Candidate Answer:

- [x] 0

Question 6:

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

Score: **0/1**
Time spent: **1 min, 5 secs**

If the size of the array is less than the number of initializers then?

- [x] Extra values are being ignored
- [ ] Generates an error message
- [ ] Size of Array is increased
- [ ] Size is neglected when values are given

Candidate Answer:

✗ Generates an error message

Question 7:

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

Score: **1/1**
Time spent: **3 mins, 9 secs**

Which is an indirection operator among the following?

- &
- ✓ %æ
- ->
- .

Candidate Answer:

✓ •

Question 8:

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

Score: **1/1**
Time spent: **35 secs**

Which of the following is the correct syntax to send an array as a parameter to function?

- Joy(#array);
- ✓ Joy(&array);
- Joy(*array);
- Joy(array[size]);

Candidate Answer:

✓ Joy(&array);

Question 9:

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

Score: **1/1**
Time spent: **27 secs**

More appropriate function for reading in a multi-word string?

- ✓ gets()
- printf()
- scanf()

puts()

Candidate Answer:

gets()

Question 10:

Total Time Spent Outside: **1 min, 31 secs**
Total Move Count: **1**

Score: **1/1**
Time spent: **7 mins, 46 secs**

If you don't initialize a static array, what will be the element set to?

Zero

A floating point

An undetermined value

None of these

Candidate Answer:

Zero

Section - 2 - MCQ

Question 1:

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

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

What will be the output of the following C code?

```
#include <stdio.h>
int main()
{
int i = 10;
void p = &i;
printf("%f\n", * (float)p);
return 0;
}
```

10

0.000000

0.00000

Undefined behavior

Candidate Answer:

0.000000

0.000000

Question 2:

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

Score: **2/2**
Time spent: **6 mins, 13 secs**

What will be the output of the following C code?

```
#include<stdio.h>
int* f();
int main()
{
int *p = f();
printf("%d\n", *p);
}
int* f()
{
static int j = 10;
return &j;
}
```

- [x] 10
- [ ] Segmentation fault/runtime crash since pointer to local variable is returned
- [ ] Undefined behavior
- [ ] Compile time error

Candidate Answer:

- [x] 10

Question 3:

Total Time Spent Outside: **3 mins, 33 secs**
Total Move Count: **2**

Score: **2/2**
Time spent: **7 mins, 48 secs**

What will be the output of the following code?

```
#include<stdio.h>
int main()
{
int a = 100;
int *p = &a;
int **q = &p;
int b = (**q)++ + 4;
printf("%d %d", a, b);
return 0;
}
```

- [ ] 100 104
- [x] 101 104
- [ ] 101 105

100 105

Candidate Answer:

101 104

Question 4:

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

Score: **2/2**
Time spent: **15 secs**

What will be the output of the following code?

```
#include<stdio.h>
int main()
{
int arr[2][3] = {{1, 2, 3}, {4, 5, 6}};
printf("%d", *(*(arr+1)+2));
return 0;
}
```

1

2

3

6

Candidate Answer:

6

Question 5:

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

Score: **2/2**
Time spent: **1 min, 25 secs**

What will be the output of the following C code?

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

Address of x

Junk value

Run time error

0