Name: _____
Score: _____ / _____

Quiz 1

Part 1

Predict the output of the following code.

```
int x  = 50;
if (x >50) printf("Pass\n");
            else if(x<50) printf("Fail\n");
```

- A.
  Pass
- B.
  Fail
- C.
  No output
- D.
  Error

Answer Point Value: 1.0 points
Answer Key: C

What will be output of this code.

```
i=5;
while(1){
        if(i%7==0)
                break;
        printf("%d ", i);
}
```

- A.
  Invalid syntax
- B.
  5
- C.
  5 6
- D.
  Infinite loop

Answer Point Value: 1.0 points
Answer Key: D

Predict the value of "i" after completion of the following code snippet.

```
bool flag = true;
a = 0;
i = 1;
while(a <3){
        j = 1;
        if (flag)
                i = j * i + 2;
        else
                i = j * i + 1;
        a = a + 1;
        flag = !(flag);
}
```

- A. 25
- B. 5
- C. 7
- D. 6

Answer Point Value: 1.0 points
Answer Key: D

Predict the output of following code.

```
int x = 70;
        if (x >50){
                if (x <70)printf("First\n");
                else printf("Second");
        }else printf("Third\n");
```

- A.
  Third
- B.
  Error
- C.
  First
- D.
  Second

Answer Point Value: 1.0 points
Answer Key: D

How many times does inner loop run if user passes value 5?

```
scanf("%d",&N);
for (I = 1; I <= N; I++) {
fact = 1;
        for (J = 2; J <= I; J++)
                fact *= J;
        printf("%d! = %d\n",I,fact);
}
```

- A.
  6
- B.
  11
- C.
  5
- D.
  10

Answer Point Value: 1.0 points
Answer Key: D

A function can be called in

- A. Main function
- B. The same function itself
- C. All of the mentioned options
- D. User defined function

Answer Point Value: 1.0 points
Answer Key: C

Assume the initial value of x is 2, and what should be the initial value of n for the following code snippet to display the x value as 4. ?

```
switch (n + 2)
{ case 6: x++;
case 15: x++;
case 16: ++x; }
printf("%d",x);
```

- A.
  13
- B.
  None of the mentioned options
- C.
  16
- D.
  4

Answer Point Value: 1.0 points
Answer Key: A

Predict the output of following code snippet.

```
int _a_123(int num)
{
        return(num++);
}
int main()
{
        int num = _a_123(4);
        printf("%d\n", --num);
        return 0;
}
```

- A.
  3
- B.
  Error
- C.
  5
- D.
  4

Answer Point Value: 1.0 points
Answer Key: A

For the following code snippet to display the output as 16, what should be the initial values of x, y and z?

```
if(x%4==0)
printf ("%d", x*y+2*z);
else printf ("%d", 2*y+x*z);
```

- A.
  x=4, y=3, z= 3
- B.
  x=6, y=2, z= 2
- C.
  None of the mentioned options
- D.
  x=8, y=1, z= 2

Answer Point Value: 1.0 points
Answer Key: B

Predict the output of following code.

```
int function()
{
        int a;
        a = 250;
        return 0;
}
int main()
{
        int i;
        i = function();
        printf("%d", i);
        return 0;
}
```

- A.
  Error
- B.
  250
- C.
  No output
- D.
  0

Answer Point Value: 1.0 points
Answer Key: D