



## THE SUPERIOR UNIVERSITY LAHORE

QUIZ 2 -Exam  
BSIT 1A  
(Spring 2023)

Faculty of Computer Science and Information Technology  
Subject: Programming Fundamentals (CS1104)

Instructor: Ms. Sanya Abdullah  
Total Marks: 40

Roll No: \_\_\_\_\_

Date: \_\_\_\_\_

Time Allowed: Min

### *Instructions:*

No cutting or overwriting is allowed

Question #	Sub-Question	CLO #	Domain and BT Level	Total Marks
2	a, b, c,4	2	Cognitive, C3	15

Q1) Understand and find the following code scripts. [CLO:2]

Marks 6

Assign the value of 1 to variable test if k is in the range -m through +m inclusive. Otherwise, assign a value of zero.

Assign a value of 1 to variable lowercase if ch is a lowercase letter; otherwise, assign a value of zero.

Assigns a value of 1 to variable divisor if m is a divisor of n; otherwise assign a value of 0.

Q1) Understand and write the output. [CLO:2]

Marks 22

What is the output by the following code segment when score has the value 62?

```
if (score < 50)
    cout << "Failing";
if (score < 60)
    cout << "Below average";
if (score < 70)
    cout << "Average";
if (score < 80)
    cout << "Above average";
if (score < 90)
    cout << "Very good";
if (score < 100)
    cout << "Excellent";
```

What is the output of the following statement, if grade = 'B'?

```
if (grade == 'A' || grade == 'B' && grade == 'C')
    cout << "Fail";
else
    cout << "Pass";
```

What is the output of the following program?

```
int b=6, c=5;
if(b++==7 && ++c==5)
{
    b*=c;
    cout<<"+b<<endl;
}
else
    cout<<"b--<<endl;
```

What is the output of the following?

```
int n = 0;
if('A' == 'a')
    n = 1;
else if('A' > 'a')
    n = 2;
else
    n = 3;
cout << n << endl;
```

What is the output of the following?

```
int x = 5 + 7/2;
switch (x)
{
    case 5: cout << 'p'; break;
    case 7: cout << 'q'; break;
    case 8: cout << 'r'; break;
    default: cout << "No output";
```

```
int i, s = 0 ;
for( i = 10 ; i > 0 ; i -= 1 )
{
    s += i ;
}
cout<<"Sum is = "<<s ;
```

```
int i, j = 1 ;
for( i = 10 ; i > 0 ; i -= 1 )
{
    cout<<"\n i = "<<i<<"\t j = "<<j;
    j = j * 2;
}
```

```
int i=1;
for(;i<=4;i++)
    cout<<i;
```

```
int i,j,k;
for(i=0,j=2,k=1;i<=4;i++)
    cout<<i+j+k;
```

```
for (int i = 1; i < 30; i += 3)
{
    if (i % 2 == 1) // If i is odd.
        continue;
    else if (i == 10)
        break;

    cout << i << endl;
}
```

```
int c;
for(c=0; c>=0; c++)
    cout<<c<<endl;
```

-----Good Luck ☺-----