Roll number:

Quiz# 2: Solution

-		
Total marks: 1	15	Total time: 25 minutes

What will be the output of following programs?

2 marks

(a).

Microsoft Visual Studio Debug Console

Under the limit.

(b). 2 marks

Microsoft Visual Studio Debug Console

Over the limit.

(c). 2 marks

Microsoft Visual Studio Debug Console

Write a program in C++ that prints the following pattern using escape sequences "\t" and "\n". You are not allowed to use add spaces manually (using keyboard spacebar), instead use "\t" to add a space. If space is added manually then ZERO will be awarded. You are not allowed to use loops.

5 marks

```
Microsoft Visual Studio Debug Console

0
1 2 3
4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20
21 22 23
24
```

```
#include <iostream>
using namespace std;
int main() {
         cout << "\t\t\t0\n";
         cout << "\t\t1\t2\t3\n";
         cout << "\t4\t5\t6\t7\t8\n";
         cout << "9\t10\t11\t12\t13\t14\t15\n";
         cout << "\t16\t17\t18\t19\t20\n";
         cout << "\t\t21\t22\t23\n";
         cout << "\t\t\t24\n";
         return 0;
}</pre>
```

Write a program in c++ that takes an integer number as an input from user. The program should then display

- "High" if the number lies in the range 20-35 (inclusive of 20 and 35)
- "Low" if the number lies in the range 10-19 (inclusive of 10 and 19)
- "Invalid entry" otherwise

4 marks

```
#include <iostream>
using namespace std;
int main() {
    int num=0;
    cin >> num;
    if(num >= 20 && num <= 35)
         cout << "High";
    else if(num >= 10 && num <= 19)
         cout << "Low";
    else
        cout << "Invalid entry";
    return 0;
}</pre>
```