

Introduction to Computing

Section B

Date: 14th March 2018

Roll No. _____
marks:10

Total

Write the output of the following code.

```
#include <iostream>
using namespace std;
int main()
{
    int i=0,j=0,range=5,k=0,count=0,count1=0;

    for(i=1;i<=range;++i)
    {
        for(j=1;j<=range-i;++j)
        {
            cout<<" ";
            ++count;
        }
        while(k!=2*i-1)
        {
            if (count<=range-1)
            {
                cout<<i+k<<" ";
                ++count;
            }
            else
            {
                ++count1;
                cout<<i+k-2*count1<<" ";
            }
            ++k;
        }
        count1=count=k=0;
        cout<<"\n";
    }

    return 0;
}
```