

Computer Programming (F)
FAST-NU, Lahore, Spring 2018

Marks: 10 + 10

Quiz 2

Roll No.

Sec.

1. Consider the following recursive function:

```
int foo(int n, int k){  
    if(n<k)  
        return 0;  
    else if(n==k)  
        return 1;  
    else if(k==0)  
        return 1;  
    else return foo(n-1,k-1) + foo(n-1,k);  
}
```

What is the answer of foo(5, 4)?

foo(5,4) =

2. Write a recursive function printBin that prints the binary representation of an integer passed to it as argument. Following is an example of how printBin will be called.

```
void printBin(int n){
```

```
}
```