

# CSC-113 (Computer Programming – II)

## Tutorial: Recursion

### Explanation:

*Recursion in Java is a process of defining the method within itself. Therefore, in this process, a method is created which can be called within the same method itself.*

### Question 01:

**Calculate the Factorial of number N of all the whole number between 1 and N. Use Recursive method to calculate.**

Example: Factorial of 3 is  $1 \times 2 \times 3$ , or 6.

The method should be written as:

```
public int fact (int n) {  
...  
}
```

### Question 02:

**Show the following output:**

*Factorial of 3 is: 6*

*Factorial of 4 is: 24*

*Factorial of 5 is: 120*

The Class should be written as:

```
public static void main (String args[]) {  
...  
}
```