**LAB EXAM**

**Subject: C#**

**Marks: 28**

1. Write a console app using C# to print your name vertically. 3  
    Ex - Your name: SOMNATH ROY  
    Output should be as follows:   
    S  
    O  
    M  
    N  
    A  
    T  
    H  
      
    R  
    O  
    Y
2. Write a console app using C# to take input a number and show if it is a prime number or not? 3
3. Write a program in console app using C# to take a number as input and calculate its factorial and display as output? 3
4. Write a program in console app using C# to display the following pattern of number? 4

1

12

123

1234

12345

1234

123

12

1

1. Create a console app to input values from user and save the data to the database using stored procedure and give a proper message to user once successfully transaction done. 4
2. Create a console app to update data in database, input taken from user using stored procedure and give a proper message to the user once successfully transaction done. 4
3. Create a console app to delete record(s) in database, input has to be taken from user using stored procedure and give a proper message to user once successfully transaction done. 4
4. Create a console app to select record(s) in database, based on input taken from user using stored procedure. This should done based user choice if user wants all records to fetch, so you need to display all records or if user wants to display specific record, then you should display that specific records. 3