2018

—BCA 5th Semester Examination

(DOT).NET LAB

PAPER—3197 (Set-I)

(Practical)

Full Marks : 100

Time : 3 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Answer any *one* question from each group (On Lottery Basis). Use any of the languages available in the .net framework.

Group-A

1. Write a console program to read a set of integers and find the mean, median and ı for this list.

2. Write a console program to print inverted half pyramid using the character *. The numbɛ of rows should be provided at run time.

   Example : If number of rows is 5, the inverted half pyramid should look like the followi

   ```
   *   *   *   *   *

   *   *   *   *

   *   *   *

   *   *

   *
   ```

3. Write a console program to find all the non prime numbers between 1 to 100.

4. Write a console program to check if a string is palindrome or not.

5. Write a console program to demonstrate single inheritance.

6. Write a console program to find the decimal equivalent of a binary integer. Your program should throw proper message if a non binary integer is input.

Group–B

1. Create a windows from application where the user can give character inputs. The form should detect when the ENTER key is pressed, should stop taking inputs and give a proper message through a message box.

2. Consider the following database table.

   Student (Registration No, Name, Address, Email_ID, Contact_No)

   This table contains the information of some students.

   Using ASP. Net, create a webpage where a user can update his / her contact information. However, registration no. and name cannot be changed. Use necessary validators wherever necessary.

3. Create a windows form application with two text boxes for reading two integer values to perform addition. Put a button in the form. When the mouse is moved up over the button, display the computation of sum of textbox1 and textbox2 values.

   :eate a webpage to make a survey on "How is the food quality in XYZ Hotel". Give the user three choice: (i) Good (ii) Satisfactory (iii) Bad using radiobuttons. Provide a VOTE button. After users vote, present the result in percentage using labels next to the choices.

   Create a windows form application to measure the number of words and characters you type in one minute.

   Create the following two database tables :

   UserLogin(Username, Password)

   JserDetails(Username, Name, Age, Address)

   Using ASP.Net, create a simple registration form. When a user registers, the information should be stored in proper tabels. If a username already exists, a proper message should be provided.

   Viva — 10 Marks

   PNB — 05 Marks

   [Internal Assessment — 30 Marks]