

2017**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. Use any of the languages available in the .net framework.

Group-A

1. Write a console application program to find the factors of an integer. 25
2. Write a console application program to find the prime numbers within a given range. 25
3. Write a console application program to find the equivalent binary form of a given decimal integer. 25
4. Write a console application program to find the first n Fibonacci numbers. The value of n should be provided at runtime. 25
5. Write a console application program to sort a list of integers using any sorting technique. 25
6. Write a console application program to find the value of ${}^n C_r$. 25

(Turn Over)

Group-B

1. Develop a windows form application to store and retrieve a set of images in a database table. 30
2. Using windows form application create a calculator which is capable of performing addition, subtraction, multiplication and division on integer and real numbers. 30
3. Develop a window form application to store the information of the result of a student in a database table. Create two forms, one to store the data and another to search the result by Providing student's roll no. 30
4. A database table contains usernames and passwords of several users. Create a simple login page to validate a user. 30
5. Design a webpage to store a set of images using a database table. Create another one to view the stored images. 30
6. Develop a webpage to demonstrate the use of Cookie. 30

Viva — 10 Marks

PNE — 05 Marks

[Internal Assessment — 30 Marks]
