2018

BCA 5th Semester Examination

(DOT).NET LAB

PAPER—3197 (Set-II)

(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 *one* question from each group (based on a lucky draw). Use any of the languages available in.net framework.

Group-A

1. Write a console program to search an element in an array. If the element is found, print its location in the array. If not, give a proper message. Use any searching technique as per your choice.

2. Write a console program to read an integer and find the sum of all digits in that integer.

3. Write a console program to display the abbreviation of a text.

4. Write a console program to reverse an array.

5. Write a console program to convert a given number of days in terms of years, weeks and days.

6. Write a console program to read a sentence and find the frequency of the word "is" in tht sentence.

Group–B

1. A database table contains usernames and password of several users. Create a windows form application to update the password of a user. Before updating, the user should be authenticated.

2. Create a simple calculator which can convert a hexadecimal number to its equivalent binary number and vice versa.

3. Create a webpage using which you can store your images in a database table. Create another page where the stored images can be viewed.

4. Some text advertisements are stored in the following database table :

   Advertisement (Ad_ID, AD_Heading, Ad_Details)

   Create a windows form application where the advertisements are shown one by one after an interval of ten seconds.

5. Consider the following data :

Stream	Subject
Science	Physics
	Mathematics
	Computer Science
Arts	Bengali
	Hindi
	English

   Create a windows form application with two DropDownLists. The first one should contain the Stream values. The second one should contain the subjects depending on the chosen Stream value. Use a label to show the subject selected by a user.

6. The following database table contains records of some employees.

   Employee (Emp_ID, Emp_Name, Department, Contact_No, Salary)

   Create a webpage where you can search and view the details of the employees who get salary within a range.

Viva — 10 Marks

PNB — 05 Marks

[Internal Assessment — 30 Marks]

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