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B.C.A. (Fifth Semester) EXAMINATION, 2016

DOT NET PROGRAMMING

(2013 Pattern)

Time : Three Hours

Maximum Marks : 80

N.B. :— (i) All questions are compulsory.

(ii) All questions carry equal marks.

(iii) Draw suitable diagram wherever necessary.

(iv) Design proper GUI.

1. Attempt any *eight* of the following : [8×2=16]

(a) Enlist any *four* types of errors in VB.net

(b) State different types of Access Modifiers.

(c) Enlist any *two* default namespaces available in windows application

(d) Write any *two* benefits of .Net framework.

(e) Write any *two* uses of crystal report.

(f) Enlist operators used for string concatenation.

(g) Write any *two* properties of Data Grid.

(h) Define IDE

(i) State difference between Data Set & Data Reader.

(j) What do you mean by Event in VB.Net ? Enlist any *two* Mouse events.

2. Attempt the following (any *four*) : [4×4=16]

(a) How is data binding achieved using list box control ? Explain with example.

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- (b) Design GUI and write a code for the following :
- Add Items to ListBox1
 - Move Selected items of ListBox1 to ListBox2
- (c) What is exception handling ? Explain with suitable example.
- (d) Design GUI and write code for the following (using ADO.Net) without Wizard :
- Accept Player details like Ply_No, Ply_Name, Ply_Address, Coach_Name, Club_Name and save these details in Player Table.
- (e) Design GUI and write a code for the following :
- Select Color from user using Radio buttons
 - Change the back color of the form with the selected color.

3. Attempt the following (any *four*) : [4×4=16]

- (a) Explain any *four* data types with example.
- (b) Explain Scrollbar control with its property and methods.
- (c) Explain Inheritance & types of inheritance.
- (d) Design GUI and write a code for the following :
- Accept a number in text box
 - Find cube root of that number and display the result in message box
- (e) Design GUI and write a code for the following :
- Accept a word in TextBox.
 - Count the number of vowels in the word.
 - Display Result on a Label.

4. Attempt the following (any *four*) : [4×4=16]

(a) What is CTS ? Explain Garbage collection in VB.Net.

(b) Explain the following Controls :

- ToolTip
- DateTimePicker
- PictureBox
- ComboBox

(c) Write a program which uses a function to check whether a given number is Armstrong or not using console application.

(d) Design GUI and write a code in VB.NET using Rich Textbox :

- Font Size
- Font Color
- Exit

(e) Give steps for Building a crystal report with example.

5. Write short notes on (any *four*) : [4×4=16]

(a) Method Overriding

(b) Progress Bar

(c) ADO.NET Architecture

(d) Destructor

(e) Interface.