

## B35-R4 : VISUAL PROGRAMMING

**NOTE :**

1. Answer question 1 and any FOUR from questions 2 to 7.
2. Parts of the same question should be answered together and in the same sequence.

Time: 3 Hours

Total Marks: 100

1. (a) What is the difference between Method Overloading and Method Overriding ? Explain with an example.  
(b) What are User defined Exceptions ? Explain with an example.  
(c) What is the difference between Modal Dialog and Modeless Dialog Box ? Explain with an example.  
(d) What is the difference between Themes and Master Pages in ASP .NET ?  
(e) What is a Console application ? Give two important methods of a Console Application.  
(f) Explain the need and importance of namespaces in a class library ?  
(g) What are Multithreaded User Interface ? Explain with an example. (7x4)
2. (a) What is a View State in a .NET Framework ? Describe the important classes and methods involved in maintaining a view state in an application.  
(b) What are Master Pages in ASP .NET ? How are they related with Content pages ? Describe the behaviour of Master pages. (9+9)
3. (a) Show the implementation of inheritance hierarchy in VB.NET ?  
(b) Explain the role of Exception Classes in .NET Framework. Why Exception handling is done ? Explain with an example. (9+9)
4. (a) Describe the components of .NET data Provider along with their functionality.  
(b) What is Microsoft Visual Basic namespace? Describe some important classes and enumeration used in the namespace. (9+9)

5. (a) Using ASP .NET controls, design a Web Page titled “STUDENT REGISTRATION FORM” having fields like Roll Number, Name, Age, Gender, Address and Course etc.

| <b>STUDENT REGISTRATION FORM</b> |  |
|----------------------------------|--|
| Roll No. :                       | <input type="text"/>   |
| Name :                           | <input type="text"/>   |
| Age :                            | <input type="text" value="15"/> ▾                                    |
| Gender :                         | <input type="radio"/> Male<br><input type="radio"/> Female           |
| Address :                        | <input type="text"/>   |
|                                  | <input type="text"/>   |
|                                  | <input type="text"/>   |
| Course :                         | <input type="checkbox"/> A LEVEL<br><input type="checkbox"/> B LEVEL |
| SUBMIT                           | CANCEL   |

- (b) What is a Repeater Control? How to add a repeater Web server control to an ASP .NET page? Explain with an example. (9+9)

6. (a) How is Multithreading done in Visual Basic .NET? Write a suitable code snippet of it.

- (b) What is ADO.NET? Describe its architecture in detail. (9+9)

7. Write Short notes on the following :

(a) Benefits of ADO.NET

(b) Structured Error Handling

(c) CLR (Common Language Runtime)

(3x6)

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