Sl. No.

B3.5-R4 : VISUAL PROGRAMMING

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

Total Time : 3 Hours   **Total Marks : 100**

1.
  (a) Describe the difference between Namespace and Assembly in .NET.
  (b) Define the .NET Framework and difference between Visual Studio and Visual Studio .Net.
  (c) Explain Common Language Runtime (CLR) and .NET Framework Class Library (FCL) components of .Net Framework.
  (d) What are the differences between ADO.NET and classical ADO ?
  (e) Define the Exceptions and list the common exceptions with examples.
  (f) Differentiate between repeater and datalist control.
  (g) Write short note on GDI+.   **(7x4)**

2.
  (a) Why master page is required ? How to import master page in .NET application ?
  (b) Explain the ASP.NET application and page life cycle.
  (c) Write short notes :
     (i) ADO.Net Architecture
     (ii) Input Box Function in VB.NET
     (iii) ASP.Net page life cycle Events
     (iv) .Net Satellite Assembly   **(4+6+8)**

3.
  (a) Define the Visual Basic Integrated Development Environment (IDE) and discuss its components.
  (b) Explain Inheritance and its types in VB.NET with example.
  (c) Write down steps to create Window Forms Controls.   **(5+8+5)**

4.
  (a) Comparison between ADO and ADO.NET Component in .NET Framework.
  (b) Explain Tooltips with an example.
  (c) Define thread in ASP.NET and discuss thread life cycle, thread properties methods.
                                             (5+5+8)

5.
  (a) Explain Autopost back property in .NET.
  (b) Write short notes :
     (i) ASP.NET Master Pages
     (ii) ASP Session Object
  (c) What is a Console Application ? Give example of it.   **(6+6+6)**

6.
  (a) Explain the various ASP.NET validation controls with example.
  (b) Write about the Database connectivity in ASP.NET.   **(9+9)**

7.
  (a) Explain the ASP.NET Controls: CheckBox, RadioButton, ListBox, Textbox and Label.
  (b) What is constructor ? Create an event using constructor.
  (c) Explain sql.connection in ADO.NET.   **(10+4+4)**

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