

B3.5-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

Time: 3 Hours

Total Marks: 100

1.

- a) Explain the usage of namespace in VB.NET with suitable example.
- b) Explain in brief about Microsoft Intermediate Language (MSIL).
- c) Differentiate between C# and VB.NET.
- d) What is GDI? Explain the unique features of GDI plus.
- e) Explain the advantages of ADO.NET.
- f) What is side-by-side execution? Explain benefits of side-by-side execution.
- g) Explain the concept of constructor overloading in VB.NET.

(7x4)

2.

- a) Differentiate between Common Language Runtime (CLR), Common Language Specification (CLS) and Common Type System (CTS)
- b) What is Master Page? Explain advantages of using Master Page. List out the steps to create a master page VB.NET.

(9+9)

3.

- a) What is inheritance? Why we don't have multiple inheritance in .NET? Explain the concept of inheritance in Windows Form with example.
- b) Differentiate between ADO and ADO.NET.
- c) What is QueryString? Explain the benefits and limitations of QueryString.

(9+5+4)

4.

- a) Explain the Web server controls in ASP.NET.
- b) Differentiate between dispose and finalise method.
- c) What do you mean by state management? Discuss the role of cookies in application state management in ASP.NET with example.

(6+5+7)

5.

- a) Explain try/catch/finally block of exception handling with an example.
- b) Explain the usage of directives with proper example. Also, explain about the application directive in detail.
- c) Explain the advantages of the code-behind feature of ASP.net

(6+6+6)

6.

- a) Briefly explain the common type categories of common type system in .NET.
- b) What are Events? Do events have return type? Can events have access modifiers?
- c) Explain the data bound and data source control in .NET.

(6+6+6)

7.

- a) What is abstract class? Explain the specific characteristics of abstract class.
- b) Write short notes on the following:
 - I. Rich Server Controls
 - II. AutopostBack property in .NET
 - III. XML

(6+(4x3))

