

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 sequence.

Time: 3 Hours

Total Marks: 100

1.
 - a) Explain the use of RE DIM in VB.NET with suitable example?
 - b) Explain the concept of Console Application?
 - c) How the validations are used in VB.NET? Explain with suitable example.
 - d) How is method overriding different from method overloading?
 - e) Explain the concept of constructor?
 - f) Discuss the different types of provider in ADO.NET.
 - g) What is the sequence in which ASP.NET events are processed?

(7x4)

2.
 - a) Design a Web Page using ASP.NET containing your own details such as Enrollment Number, Name, Age, Address, Programme Name, etc.
 - b) Describe the roles of CLR in .NET Framework.
 - c) Are COM objects managed or unmanaged? Describe the advantages of writing a managed code application instead of unmanaged one.
 - d) What are the ways of preserving data on a Web Form in ASP.NET?

(5+5+4+4)

3.
 - a) What is an ADO.Net? Explain important objects and architecture of ADO.Net?
 - b) Define Anchor and Dock Property to dynamically Resizing Controls on Windows Forms?
 - c) What is an Assembly? Explain its parts.

(7+7+4)

4.
 - a) Write a program to set a tool tip on a control using VB.Net?
 - b) Explain in detail the data types available in .NET.
 - c) What are the main components of .NET Framework?

(6+6+6)

5.
 - a) What is a Gridview? Write a code to create a Gridview.
 - b) How to Bind Dropdown List with Database?
 - c) What is ASP.NET? What are the advantages of code-behind feature? Differentiate globalization and localization.
 - d) What is Master Page? Explain with suitable example.

(5+4+4+5)

6.
 - a) Explain caching and cookies.
 - b) What is State Management? Describe client and server based state management in .NET.
 - c) What is Repeater Control? Explain their some of template fields.

(6+6+6)

7.

- a) Explain DataList Control with suitable example code?
- b) Write a program to calculate income tax by designing appropriate user interface in VB.NET. The income tax rules are as under:
- If income less is than Rs. 2,50,000 : 0% income tax
 - If income between is between Rs. 2,50,001 to Rs. 5,00,000: 10% income tax
 - If income between Rs. 5,00,001 to Rs. 10,00,000 : income tax as per earlier slab + 20% tax of the income greater than Rs. 5,00,000
 - Income above Rs. 10,00,000 : income tax as per earlier slab + 30% tax of the amount greater than 10,00,000
 - If person is Male an additional 5% surcharge will be charged

(6+12)