Sl. No.

B35-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) List four base class library with a brief description.
   (b) Differentiate typed and untyped Dataset.
   (c) Explain any four string manipulation functions in .NET with example.
   (d) Write properties of the MenuStrip Control in .NET.
   (e) What are the advantages of creating a form in Microsoft Visual Basic .NET ?
   (f) Write a short note on GDI+.
   (g) What is Web Site Configuration in ASP.NET ? What is the use of Web Site Administration Tool ?   **(7x4)**

2. (a) Explain major components of .NET framework.
   (b) What is Multithreading in VB .NET ? Write an example program on it.
   (c) What is the console application ? Explain any three console methods of VB .NET.
                                                                                          (6+6+6)

3. (a) What is view state in ASP.NET ? What are the features of the view state in ASP.NET ? What are the data objects that can be stored in the view state ? What are the advantages and disadvantages of View State ?
   (b) What is inheritance ? How it can be achieved in VB .NET ? Explain with example.
                                                                                          (9+9)

4. (a) What is Garbage Collection ? List the key features of Garbage Collection in .NET.
   (b) What is method overloading and method overriding ? List the differences between them.
   (c) List at least six differences between classic ADO and ADO.NET   **(6+6+6)**

5. (a) What is file ? What is stream ? Which are the VB.NET I/O Classes ? Write a program to write 1 to 20 into a sample.txt file and read the data from the file.
   (b) What is the need of Forms Inheritance ? How to inherit the form? Explain in detail.
                                                                                          (9+9)

6. (a) What are the values of DialogResult enumeration ? Explain.
   (b) What are ActiveX controls and how do they work ?
   (c) How to use sessions in ASP.NET ? How to create a session in asp.net ? Write a code to implement session in ASP.NET.
                                                                                          (6+6+6)

7. (a) What and which are collection classes in .NET ? Explain any one in detail with example.
   (b) What is the use of form in VB.NET ? Which are the form methods and events ? Explain.
                                                                                          (9+9)

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