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 Microsoft Intermediate Language (MSIL).
b) What is Console Application and write program in VB.NET to display "Hello World" on the screen.
c) Explain Base Class Library (BCL).
d) What is the need of namespace in VB.NET? Define Namespace in VB.NET.
e) What is the need of constants and variable and how to declare them in VB.NET?
f) What are the features of web site administration tool?
g) What is GDI+? Describe the Namespace of GDI+?

(7x4)

2.
a) What is the difference between CLR, CLS and CTS?
b) Explain event handling mechanism in windows form.
c) Write a note on Master Page in ASP .NET.

(6+6+6)

3.
a) What are files and stream I/O? Write commonly used file, directory classes and stream fundamental operations?
b) Write and explain basic constructors and methods of String class in .NET

(9+9)

4.
a) Explain Garbage collector in .NET.
b) What is the difference between classic ADO and ADO.NET?
c) How session can be created and managed in ASP.NET? What is the advantage and disadvantage of session?

(6+6+6)

5.
a) Explain VB .NET syntax of
   i)   Inheritance
   ii)   Constructor (with and without parameters)
b) What is Visual Inheritance? Explain with an example.

(9+9)

6.
a) What is the difference between Structured and Unstructured exception handling? Explain structured exception handling.
b) Explain Dispose and Finalization in .NET.
c) What are the Various Data Bound Controls Used in ASP.NET?

(6+6+6)

7.
a) Explain managed and unmanaged code in .NET content with example.
b) Write a code to design File menu in Windows form. Also add a submenu in Menu.

(9+9)