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) How does a content page different from a master page?
b) What are the events that happen when a client requests an ASP.NET page from IIS server?
c) What is the role of GDI+ in .NET Framework?
d) What are Custom User Controls in ASP.NET?
e) What is State Management? How many ways are there to maintain a state in .NET?
f) Explain the cookie less session and its working.
g) What is the appSettings section in the web.config file?

(7x4)

2.
a) What is the difference between dispose and finalize methods?
b) What are major difference between classic ADO and ADO.NET?
c) Mention different types of data providers available in .NET Framework.
d) What is the meaning of object pooling?

(5+5+4+4)

3.
a) Describe the disconnected architecture of ADO.NET's data access model.
b) What are the usages of the Command object in ADO.NET?
c) What are the various methods provided by the DataSet object to generate XML?

(7+7+4)

4.
a) What is the difference between the Clone() and Copy() methods of the DataSet class?
b) What is the use of DataView?
c) How can you add or remove rows from the DataTable object of DataSet?

(6+6+6)

5.
a) What is Directive in ASP.NET? Explain Page Directive and Master Directive with its attributes.
b) Describe the ToolTip control. How can you associate it with other controls?
c) Differentiate between a TextBox control and RichTextBox control.
d) What is the function of the SizeMode property of the PictureBox control?

(5+5+4+4)

6.
a) What is Query String? What are its advantages and limitations?
b) What are HTTP handlers in ASP.NET?
c) Explain login controls in ASP.NET.

(6+6+6)

7.
a) What is XML? Is XML case-sensitive? If XML does not have a closing tag, will it work?
b) Explain try/catch/finally block of exception handling with an example. Why is exception handling important for an application?
c) What is Visual Inheritance? Explain with an example?

(6+6+6)