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) Briefly mention the advantages of using ADO.NET.

(b) Explain typed and untyped Dataset with an example.

(c) List of any two ASP.NET control and explain them.

(d) What is garbage collection in ASP.NET ?

(e) Explain Finalizer with an example.

(f) What is code snippet in .NET framework ?

(g) What is console application and how it is used ?

                        (7×4)

2. (a) Explain delegate with example.

(b) Why master page is required ? How to import master page in .NET application ?

(c) Explain the difference between session cookie and persistent cookie.

(d) Explain method overloading in ASP.NET with an example.

                        (5+5+4+4)

3. (a) Explain exception handling in .NET. Give an example to show try, catch and finally block.

(b) What is Visual Inheritance ? Give an example.

(c) Define CLR.

(d) Differentiate between CLS and CTS.

                        (6+5+3+4)

4. (a) Explain Boxing with example.

(b) List various state management modes in ASP.NET.

(c) Explain Tooltips with an example.

(d) Explain Dispose method in ASP.NET. When it can be used in application ?

5. (a) What is Namespace ? Give an example.

(b) List & explain briefly the various ASP.NET events that are executed during page loading in the browser.

(c) Write the steps to add a repeater Web server control to a Web form page.

(d) Explain Autopost back property in .NET.

(4+6+4+4)

6. (a) Draw and explain the ASP.NET architecture.

(b) Explain *machine.config* file of ASP.NET.

(c) How *web.config* file is different from the *machine.config* file ?

(d) Explain sql.connection in ADO.NET.

(6+4+4+4)

7. (a) What is constructor ? Create an event using constructor.

(b) Explain GDI+.

(c) Difference between Managed and Unmanaged Code.

(d) What is disconnected approach in ADO.NET ?

(4+6+4+4)

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