

Duration: 2 Hours

N.B.: 1. All questions are compulsory.

2. Make suitable assumptions wherever necessary and state the assumptions made.

3. Answers to the same question must be written together.

4. Numbers to the right indicate marks.

5. Draw neat labelled diagrams wherever necessary.

6. Use of Non-programmable calculators is allowed.

- Q. 1** Answer *ANY FOUR* of the following: 16 M
- a Write a short note on .NET Framework.
 - b Differentiate between method overloading and method overriding
 - c Explain various types of constructors in C#.
 - d Write a program in C# to demonstrate single inheritance.
 - e What is Conditional Logic? Explain any one type in detail.
 - f Describe the process of creating user control with an example.
 - g Write a short note on Namespaces.
 - h Write a short note on static member.
- Q. 2** Answer *ANY FOUR* of the following: 16 M
- a Explain the use of RegularExpression Validator with example
 - b Explain AdRotator control with suitable example.
 - c Explain Calendar control with example.
 - d Explain Web Control Properties.
 - e Write a short note on Autopostback.
 - f Write a short note on View-State with an example.
 - g Explain the use of RequiredField Validator with example.
 - h What are the properties are required to set to validate a particular text box using RangeValidator.
- Q. 3** Answer *ANY FOUR* of the following: 16 M
- a Explain Single – Value Data Binding.
 - b What is Database? What are its uses?
 - c Write short note on Gridview Control.
 - d Explain SqlConnection class with example.
 - e What is XML? List the advantages of XML.
 - f Write the basic rules of Valid XML document.
 - g Elaborate the need of Security of Web applications.
 - h Write a short note on Authentication and Authorization.
- Q. 4** Answer *ANY THREE* of the following: 12 M
- a Write a short note on Server-Side and Client-Side Programming.
 - b Explain C# language basics:
 - a. Commenting
 - b. Statement Termination
 - c. Blocks
 - c What is the relationship between content page and master page?
 - d Explain internal and external CSS.
 - e Write a short note on Authorization Rules.
 - f Write a short note on web.config file.

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