ASP.Net with C#

12 × 5 = 60
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15

QP Code :04548

(2½ hours)

[Total Marks: 75

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 labeled diagrams** wherever **necessary**.
　　　(6) Use of **Non-programmable** calculators is **allowed**.

1.　Attempt *any two* of the following:　　　　　　　　　　　　　　　10
a.　Explain the similarities and differences between Interfaces and Abstract classes.
b.　Write a short note on Assembly.
c.　Give syntax of foreach loop. Explain with example.
d.　Write a program using overloaded constructors.

2.　Attempt *any two* of the following:　　　　　　　　　　　　　　　10
a.　Explain Boxing and Unboxing with reference to value type and reference type.
b.　Explain the four most important selectors present in CSS.
c.　Explain the different types of CSS in ASP.NET.
d.　Write a program using any five Methods/Property of ArrayList Class.

3.　Attempt *any two* of the following:　　　　　　　　　　　　　　　10
a.　What is the difference between List Box and Drop-Down Lists? List and explain any three common properties of these controls.
b.　Explain any five Methods/Properties of ListItem collection object.
c.　List and explain the comparison and logical operators in C#.
d.　What is the difference between buttons, Link Buttons and Image Buttons? Explain any three common button attributes.

4.　Attempt *any two* of the following:　　　　　　　　　　　　　　　10
a.　Write a program to create a new cookie with the name "Username" and add it to the HttpResponse object on the click of a button. Set the expiry date of the cookie to One year from Now.
b.　What is the use of MasterPages in ASP.NET? How a Content page can be added to a Master Page.
c.　Explain TreeView and Menu site navigation controls.
d.　What is the use of Compare Validator? Explain it along with its properties.

5.　Attempt *any two* of the following:　　　　　　　　　　　　　　　10
a.　Explain DetailsView Control.
b.　What do you mean by authentication? Explain its types.
c.　Explain the difference between DataReader and DataAdapter in ADO.NET.
d.　What is the difference between Listview and Gridview control? Explain the ListView control.

6.　Attempt *any two* of the following:　　　　　　　　　　　　　　　10
a.　Create a string array of names. Write a program with LINQ query to display all names from the array that contain the letter "S" and order them in ascending order. Display the query result in a Label.
b.　Explain the Standard Query operators "Select", "From", "Order By" and "Where" in LINQ.

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   c.   Explain the use of UpdateProgress control in AJAX.

   d.   Write a program using jQuery that hides a paragraph on click of a button.

7.   **Attempt _any three_ of the following:**   15

   a.   What is Method Overriding? Give an example of it.

   b.   Create a delegate with two int parameters and a return type. Create a class with two delegate methods multiply and divide. Write a program to implement the delegate.

   c.   Give general form of switch statement. Explain with example.

   d.   Explain the three layer architecture of ASP.NET.

   e.   What is ViewState? How we can work with ViewState in ASP.NET.

   f.   What is AJAX? How is the processing of a web page without AJAX different from the processing of a web page with AJAX?

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