	$(2\frac{1}{2} \text{ hours})$	
1.	[Total Marks: 75]	
N.B.	(1) <u>All</u> questions are <u>compulsory</u> .	
	(2) Make <u>suitable assumptions</u> wherever necessary and <u>state the assumptions</u> made.	
	(3) Answers to the <u>same question</u> must be <u>written together</u> .	
	(4) Numbers to the <u>right</u> indicate <u>marks</u> .	
	(5) Draw <u>neat labeled diagrams</u> wherever <u>necessary</u> .	
	(6) Use of Non-programmable calculators is allowed.	
		1()
	Attempt <u>any two</u> of the following:	* 12
a.	Explain about static members of a class.	
b.	Briefly explain .NET framework and two of its major components.	
c.	Explain foreach loop with proper syntax. Also write a program to print those elements	
	of an array whose last digit is either 3 or 5 using foreach loop.	
d.	Explain method hiding with example.	
•		10
2.	Attempt <u>any two</u> of the following: What are the advantages of CSS? Explain external style sheet in asp.net web	10
a.		
1	applications.  Write a program that illustrates implementation of delegate and multicast delegate.	
b.		
c.	Explain each of the following in two or three sentences:	
	i) System.Collection	
	ii) Assembly	
	iii) JIT Compiler	
	iv) Garbage Collector	
	v) ArrayList	
d.	What is loading and rendering a page? List all page life cycle events.	
		4.0
3.	Attempt <u>any two</u> of the following:	1()
a.	Explain about SelectedIndexChanged event and its event handler. Differentiate between	
	ListBox and DropDownList.	
b.	What are web server controls? Discuss any six properties common to all web server	
, V.S	controls.	
c.	Explain following properties and write code to set values to each of them in code behind	
	file.	
	i) CommandName	
	ii) Checked	
	iii) TextMode	
	iv) AccessKey	
	v) GroupName	
d.	What are the common properties of button controls? Briefly explain the functioning of	

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<ul><li>4.</li><li>a.</li><li>b.</li><li>c.</li><li>d.</li></ul>	Attempt <u>any two</u> of the following:  What is RegularExpressionValidator control? Explain ValidationExpression.  ErrorMessage, Text and Display properties of it.  What is viewstate? How is page level or control level viewstate enabled?  Briefly explain about cookie and its types. Also explain how to create and read persistent cookies using HttpCookieCollection.  Explain about master pages and its advantages. What is the role of ContentPlaceHolder controls in master pages?	10
<ul><li>5. a.</li><li>b.</li><li>c.</li></ul>	Attempt <u>anv two</u> of the following: What is SqlDataSource control? Write code that shows data from the selected row of a GridView on a Label. Define Authentication. Explain the characteristics of windows and forms authentication. What is a Connection String? What are the attributes that help binding standard List	10
d.	controls to a data source? What is a FormView? Explain about ItemTemplate and EditItemTemplate of it.	10
a.	Attempt <u>any two</u> of the following: What is UpdatePanel control? Explain about UpdatePanel control and how partial page rendering works when user clicks a button on an UpdatePanel. What is LINQ? Write short note on each of the following:  i) LINQ to Object  ii) LINQ to XML  iii) LINQ to ADO.NET	•
c.	method with example.	
7. a. b. c. d. e.	Explain about constructor and destructor members of a class.	15
f.	Explain select, where and orderby clauses in LINQ with example.	