

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**BE - SEMESTER-VII • EXAMINATION – SUMMER • 2015**

Subject code: 170707

Date: 06/05/2015

Subject Name: Advance .NET Tech.

Time: 02.30pm-05.00pm

Total Marks: 70

**Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

<b>Q.1</b>	<b>(a)</b>	Explain following terms in brief with respect to .NET framework. i. MSIL    ii. CLR    iii. CLS	<b>07</b>
	<b>(b)</b>	Explain the syntax of inheritance in VB .NET also give example of method overriding.	<b>07</b>
<b>Q.2</b>	<b>(a)</b>	Explain following with respect to exception handling. Try, catch and finally.	<b>07</b>
	<b>(b)</b>	Explain concept of finalization with example.	<b>07</b>
		<b>OR</b>	
	<b>(b)</b>	Write and explain basic constructors and methods of String class in .NET	<b>07</b>
<b>Q.3</b>	<b>(a)</b>	Explain the concept of properties. Also discuss advantages of properties over class member variables.	<b>07</b>
	<b>(b)</b>	Explain following with respect to event handling in .NET i. Handles    ii. Event arguments	<b>07</b>
		<b>OR</b>	
<b>Q.3</b>	<b>(a)</b>	How pointers are supported in C#? Explain pass by reference concept.	<b>07</b>
	<b>(b)</b>	Explain the concept of master pages in ASP .NET	<b>07</b>
<b>Q.4</b>	<b>(a)</b>	Explain following keywords in ASP .NET i. Code behind    ii. View state	<b>07</b>
	<b>(b)</b>	Write a program which reads person name from keyboard and saves into user.txt file. (If file already exists then newly entered names must be appended)	<b>07</b>
		<b>OR</b>	
<b>Q.4</b>	<b>(a)</b>	Explain various session management techniques in ASP .NET.	<b>07</b>
<b>Q.4</b>	<b>(b)</b>	Write a program which takes directory name and path as input and lists all files and subdirectories.	<b>07</b>

<b>Q.5</b>	<b>(a)</b>	Write a program in VB .NET to print following pattern. Use For loop. User will enter number of lines to be printed from keyboard. ***** ***** *** ** *	<b>07</b>
	<b>(b)</b>	List and explain common namespaces used for ADO .NET Also list most common classes in those namespaces.	<b>07</b>
		<b>OR</b>	
<b>Q.5</b>	<b>(a)</b>	Write a program which gets data from 'uses' table and shows on console in tabular format.	<b>07</b>
	<b>(b)</b>	Write a note on WPF.	<b>07</b>

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