_____ C. U. SHAH UNIVERSITY Winter Examination-2019

Subject Name: Dot Net Technology

Subject Code: 4TE07DNT1		Branch: B.Tech (IT)		
Semester : 7	Date : 20/11/2019	Time : 10:30 To 01:30	Marks : 70	

Instructions:

Q-3

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1		Attempt the following questions:	(14)
-	a)	What is Visual Inheritance in C#.NET?	1
	b)	What is <i>generics</i> in C#.NET?	1
	c)	Why is <i>runat</i> attribute used?	1
	d)	Is it possible to set the connection string outside a code page of ".aspx" page? – Justify your answer.	1
	e)	Explain the scenario where Ad Rotator Control can be used.	1
	f)	What is the purpose of using <i>Cookie</i> ASP.NET?	1
	g)	Is XML universal language? – Justify your answer.	1
		What is <i>Nested Master Page</i> ?	1
	i)	List benefits of using <i>Themes</i> while doing web application development using ASP.NET.	1
	j)	Explain use of <i>Response.Output.Write()</i> in ASP.NET.	1
	k)	What is <i>Garbage Collection</i> ?	1
	l)	What is the purpose of <i>Delegates</i> ?	1
	m)	What is the use of <i>Content Place Holder</i> ?	1
	n)	How can <i>ToolTip control</i> be helpful?	1
Attempt	any	four questions from Q-2 to Q-8	
Q-2		Attempt all questions	(14)
	1)	What is purpose of "comment(s)" in programming? Is that compulsory to use "comment(s)" in programming? Explain types of comment in C# with example. Give example of comment in XML and ASPX.	7
	2)	Draw diagram of .NET Framework and explain CLR and CLS.	7

Attempt all questions (14) 1) What do you mean by method overloading? Explain it with suitable 4 example in details.



	2) 3)	Explain Basic Structure of C#. What do you mean by Namespace? Explain it with suitable example in details.	3 7
Q-4	1)	Attempt all questions What is Looping Control Statement? What are its benefits? Explain	(14) 7
	1)	Looping Control Statement available in C# with example.	1
	2)	Explain various scenarios where CheckBox and RadioButton controls should be used. Give suitable example that differentiates both controls.	7
Q-5		Attempt all questions	(14)
	1)	What is exception handling? Explain with its structure. Write a program to generate divide by zero exception and handle it.	7
	2)	Explain the significance of Property and Indexers with example.	7
Q-6		Attempt all questions	(14)
		Explain ASP.NET page life cycle.	7
	2)	What is ADO.NET? Explain ADO.NET objects with their methodsi) SqlCommandii) SqlDataAdapteriii) Dataset	7
Q-7		Attempt all questions	(14)
C	1)	Give a scenario where a web service can be helpful. Explain how a web service can be discovered with suitable example.	7
	2)	What is WPF? Explain it and mention its features.	3
	3)	Why validation is important in web development? Explain any two controls for validation in ASP.NET.	4
Q-8		Attempt all questions	(14)
	1)	Define Session State. Explain how to store Objects in Session State and Configuring Session State with suitable examples.	7
	2)	Compare DataList and Repeater Control with example.	7

