10/10/19				
	NET Technologies	SEM-IV 75-MAR	KS 21/2 LIDS	
7		22.11.11	NS 2 -11KS	
N.B 1) All questions are con	est agazga, a se			
	-			
2) Figures to the right in				
3) Illustrations, in-dept	h answers and diagra	ams will be apprec	ciated.	*
4) Mixing of sub-question				
Q.1 Attempt All(Each of 5 mar			(15M)
(a) Multiple Choice Question				
1. Which of the following states	nents are correct abou	t data types?		
1. If the integer literal exceed 2. We cannot implicitly conve	s the range of byte, a c	compilation error w	ill occur.	
2. We cannot implicitly conve3. Byte cannot be implicitly conve	onverted to float	types of larger stor	rage size to by	ie.
4. A char can be implicitly co	nverted to moat.	a tyne		
		3,4	D.1,4	*
2. Which of the following is an			D.1,4	
A. Char	B. Long	C. Short	D. Byte	
3. Which of the following state	ments is correct?		***	
A It is not possible to extend	the if statement to ha	undle multiple cond	itions using the	e else-il
arrangement.				
B. The switch statement can	include any number o	f case instances wit	th two case sta	tements
having the same value.	bundling and the local			
C. A jump statement such as if it is a default statement.	a break is required an	ter each case block	excluding the	last block
	statement for execution	on based on the valu	ie of a Daglace	~
D. expression.		m oased on the van	ic of a Boolean	
4. Which of the following states	ments is correct?			
A.Information is never lost	during narrowing con	iversions.		
B. The CInteger() function	can be used to conver	t a Single to an Inte	eger.	
C. Widening conversions to	ke place automatical	Y .		
D.Assigning an Integer to a	an Object type is know	on as Unboxing.		
5. Which of the following can b Use the existing function	e facilitated by the Inl	neritance mechanis	m?	
1. Override the existing	functionality of base.	Naga		
2. Implement new functi	ionality in the derived	class.		
3. Implement polymorpl	nic behavior.	ciass.		
A. 1,2,3	B. 4,2,3	C. 3,4	D. 1,4	
(b) Fill in the blanks				
(8, destructor, constructor, CLR, 1	8, Garbage Collector,	public, internal, im	plicit, indirect)
1) is the co	rrect output of the C#	NET code snippet	given below?	
int[,,]a = new int	[3, 2, 3];			
Console.WriteLine	(a.Length);			
Structures CANNOT contains_				
3)is a default access	specifier for inner cla	isses?		
is NET componer	its can be used to remo	ove unused reference	ces from the	
nanaged hean				

5) Automatic conversion is also called as ____

Short Answers

- 1) Define boxing and unboxing.
- 2) List down the functions carried out by Common Language Runtime.
- 3) Define Jagged Array.
- 4) Define SqlDataset.
- 5) How to implement partial web page refreshment?

Q.2 Attempt the following. (Any THREE)(Each of 5 Marks)

- a) Draw and Explain .NET framework architecture
- b) Explain flow control, explain what is break and continue statement
- c) What are different ways of passing the parameters to any methods?
- d) What are the rules in defining a constructor? Explain static constructor with example. e) Write a short note on Assembly.
- f) What is the difference between .aspx file and .cs file?Explain with an example for each.

Q.3 Attempt the following. (Any THREE)(Each of 5 Marks)

(15M)

- a) Explain Page Life Cycle Stages in ASP.NET.
- b) What is post-back event? Explain IsPostBack with suitable example.
- c) What is state management? explain Application state management
- d) What is Query String? Explain encoding and decoding of Query string
- e) What is the use of MasterPages in ASP.NET? How a Content page can be added to a
- f) What is validation? Explain Range validator & Compare validator with its properties

Q.4 Attempt the following. (Any THREE) (Each of 5 Marks)

- a) Explain connected architecture of Ado.Net.
- b) What is a GridView control? Explain how to enable row selection, paging and sorting
- c) Create a web page which accept student id in dropdown list from student table write down
- d) What is Ajax? Explain UpdatePanel control with example.
- e) Explain the LINQ query syntax with an example query.
- f) Short note on XMLTextWriter & XMLTextReader.

Q.5 Attempt the following. (Any THREE)(Each of 5 Marks)

(15M)

- a) Write short note on Global.asax.
- b) Explain Calendar Control and its properties.
- c) When to Use Caching? Explain Data Caching.
- d) What is inheritance? Write a program to implement concept of multiple inheritance.
- e) What is navigation? How to use Site map path control for navigating web sites?