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(10 Marks)

(06 Marks)

(04 Marks)

## Fifth Semester MCA Degree Examination, Dec.2014/Jan.2015 Topics in Enterprise Architectures – II

		Topics in Enterprise Architectures – II	
Žin	ne: 3	hrs. Max. Ma	arks nh
9)	) ) ,	Note: Answer any FIVE full questions.	, Ö, ·Ø
•	1	•	<b>つ</b>
1	a. 6	What is •NET platform? Explain the building blocks of •NET and their responded	lities.
			(08 Marks)
	b.	List and explain CTS types.	(05 Marks)
	c.	With a peat diagram, explain the workflow that takes place between the source co	
		compilerand the execution engine.	(07 Marks)
•	_	II 11 300 E	C 1
2	a.	How to debug 2# application from the command line? List the command line	
	L.	with the debugger	(05 Marks)
	b.	What are response fig. 2 Explain with example.	(05 Marks)
	C.	What are method parameter modifiers? Demonstrate with suitable function and function calls.	
		and function cans.	(10 Marks)
3	a.	List and explain the functionality of object class methods.	(06 Marks)
3	b.	What is the difference between = = and Equals()? Illustrate with an example.	(04 Marks)
	c.	Write a note on string manipulation of Explain at least five methods of Sys	,
		class with example.	(10 Marks)
		Composition of the commercial control of the commercial control of the commercial control of the	(10 Marks)
4	a.	What is inheritance? Distinguish between "is a" and "has a" relationships in C#.	(08 Marks)
	b.	How would you enforce en expsulation using accessors and mutators? Explain wi	
		code.	(06 Marks)
	c.	Write a program to find the maximum element in each of a jagged array.	(06 Marks)
		300	
5	a.	Write a C# program to implement stack. Throw and handle custom exception	
	_	there is overflow and underflow.	(10 Marks)
	b.	What is sarbage collection? How do you build finalizable objects? Ex	
		implementation of finalizable objects with example.	(10 Marks)
	_	What are interfaces? Why are they used in C# programming? Explain Clor	امسم مامامید
0	а.	what are interfaces? Why are they used in C# programming? Explain delor	(10 Marks)
	(C)	Comparable interfaces, with example.  List and explain the classes of System.Collections namesspace.	Marks)
A COS	70:0	List and explain the classes of System Conections hamesspace.	Jip Marks)
	ิ ล	What are delegates in C#? Explain with example. Differentiate between synchr	onoles
্ঠ	٠.,	asynchronous use of delegates.	(10 Marks
~,	b.	What is operator overloading? Illustrate the process of binary operator and unary	· • • • • • • • • • • • • • • • • • • •
		with suitable example.	(10 Marks)
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What is a •NET assembly? Explain shared and private assemblies, in detail.

What is a strong name? How is a strong name assigned to an assembly?

Compare COM binaries with •NET assemblies.