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07MCA53

Fifth Semester MCA Degree Examination, December 2010 **Topics in Enterprise Architecture - II**

Tin	ne: 3	hrs. Max. M	arks:100
		Note: Answer any FIVE full questions.	
1	a.	With a neat diagram, explain the building blocks of .NET platform. What are the C#?	features of (10 Marks)
	b. c.	Explain the functions of the .NET runtime (CLR). Why is it desirable to create multiple assembly instead of single file assembly?	(08 Marks) (02 Marks)
2	a. b. c.	How can you build a C# application, using command line compiler (CSC.exe)? List the C# preprocessor directives, with description of each. Write a C# program to the row sum and column sum of a given matrix.	(07 Marks) (05 Marks) (08 Marks)
3	a. b. c.	Bring out the differences between value types and reference types. Give the differences between 'ref' parameters and 'out' parameters. Describe each with examples. Write a C# program to swap two objects of person class.	(08 Marks) ch of these, (06 Marks) (06 Marks)
4	a.	Explain overriding of postring(), equals(), GetHashCode() methods of system objections	ect. (08 Marks)
	b.	What are the public and internal types? Explain with examples and appropriate fig	
	c.	Write a C# program on boxing, unboxing and bad unboxing.	(06 Marks)
5	a.	How is the containment or delegation model employed in C#? Explain with an ex	ample. (08 Marks)
	b.	helplink properties of system exception.	cktrace and (09 Marks)
	c.	 i) To see the content of assembly ii) .NET type of C# int 	(03 Marks)
6	a.	Describe the number of techniques that can be used to test the interface support	or obtaining
	b.	interface references. Illustrate with an example, how shallow copy and deep copy of an object instantial that it is the IClamachla interface.	(06 Marks) ance can be (08 Marks)
	c.	made, using the ICloneable interface. Write a C# program, which defines class Flight. The class Flight implements two namely Ibirds and Iplane and the interface member of Ibirds and Iplane is find displays some message. Write the usage class which exercises the above.	o interfaces
7	a. b.	and the second south released to the second south released and a second south released to the second so	(10 Marks) es. (04 Marks)

Explain the overloading of equality and comparison operators in C#. (06 Marks)

Explain with figures, the two conceptual views of an assembly. (04 Marks) 8

(10 Marks) What are the core benefits of .NET assembly? b. What is a strong name? How is a strong name assigned to an assembly? (06 Marks)

