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USN							institute (and Stage	-	Technology	06CS/IS761

Seventh Semester B.E. Degree Examination, Dec.09/Jan.10 C # Programming and .Net

Time: 3 hrs. Max. Marks:100

Note: Answer any FIVE full questions, selecting at least TWO questions from each part.

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		PART – A	
1	a.	Explain with a neat diagram, the relationship between .Net runtime layer and the base library.	class (arks)
	ь.	What is the role of .Net type meta data? Give example. (04 M	(arks)
	c.	List and explain intrinsic CTS data types and .Net name spaces in C #. (08 M	(Iarks
2	a.		Iarks).
	b.	How would you create object instance in C #? With examples, describe default assign of .Net data types.	nment Iarks)
	c.	How do you format .Net string and textual output? Give examples. (05 N	(larks
3	a. b.	What is the role of master node, system object? (03 N	Iarks) Iarks)
	c.		Iarks)
4	a. b.	How would you enforce encapsulation using accessors and mutators? Explain examples, class properties and static properties in C #. (08 M	farks) with farks) farks)
		PART – B	
5	a.	List and explain core members of the system exception type. How would you build cu	istom Iarks)
	b.	•	larks)
	c.	What is meant by object life time? Describe the role of Net garbage collection, finalize process and Ad Hoc destruction method, with examples. (08 M	zation (arks)
6	a.	Which is the alternate approach to support multiple inheritance? List its major features.	(arks)
	b. c.	Write a program in C # to accept two strings and perform the following operations: i) copy string 2 to string 3 ii) check string 1 ends with "ENGG" or not. If it is true, search character 'a' in string 3.	larks)
7	a.	With an example, discuss advanced keywords of C # : checked, unchecked, un	
	b.	Write a program in C # to sort and reverse an array of five elements using sort() and re () methods.	
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- 8 a. With a neat diagram, explain physical view and logical view of Net assemblies. (06 Marks
- b. Illustrate with an example, differences between synchronous and synchronous delegates.
 - c List the key elements and core CIL tokens of the assembly manifest. (06 Marks)
 (06 Marks)
- d. Write short notes on process of building a multifile assembly. (04 Marks)