CBCS SCHEME

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22MCA342

Third Semester MCA Degree Examination, June/July 2024
Introduction to Dot Net Framework for Application Development

Time: 3 hrs. Max. Marks: 100

Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.
2. M : Marks , L: Bloom's level , C: Course outcomes.

		Module – 1	M	L	C
Q.1	a.	Explain Primitive data types with an example.	10	L2	CO1
	b.	Explain with an example the various forms of decision making statements in C#.	10	L2	CO1
		OR			
Q.2	a.	Illustrate with an example, how to declare and call a method in C#.	10	L2	CO1
	b.	Discuss the iteration statements with an example.	10	L2	CO1
		Module – 2			
Q.3	a.	Describe different access specifiers in C#.	10	L2	CO1
	b.	Explain overloading constructors with an example.	10	L2	CO1
		OR			
Q.4	a.	Explain the difference between a value type and a reference type.	10	L2	CO1
	b.	Explain the following with example : i) Boxing and Unboxing ii) is and as operator.	10	L2	CO1
		Module – 3			
Q.5	a.	Write a program in C# to find the sum of all array elements.	10	L3	CO2
	b.	Illustrate the use of interface with an example.	10	L2	CO2
		OR			
Q.6	a.	Write a C# program to illustrate the concept of single in heritance.	10	L3	CO2
	b.	Explain Sealed class and Sealed method, with an example.	10	L2	CO2
		Module – 4			
Q.7	a.	Discuss the types of properties in C#.	10	L2	CO3
	b.	Briefly explain the restrictions of property in C#.	10	L2	CO3
		OR			
Q.8	a.	Explain the concept of indexer with an example.	10	L2	CO3

	b.	Write a C# program to swap values at two integers and two string variables using generic method.	10	L3	CO3
Module – 5					
Q.9	a.	Write a C# program to perform the stack operations using collection class.	10	L3	CO4
	b.	Explain the following LINQ method with example : i) Select ii) Order By iii) Group By.	10	L2	CO4
OR					
Q.10	a.	Write a C# code to illustrate the use of delegate.	10	L3	CO4
	b.	Explain Operator overloading in C# with example.	10	L2	CO4

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