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Internal Assessment Test 3 –November 2019

Sub:	Introduction to Dot Net Framework for Application Development.				Sub Code:	17CS564	Branch:	ISE		
Date:	19-11-2019	Duration:	90 min's	Max Marks:	50	Sem/Sec:	V SEM		OBE	

	Answer any FIVE FULL Questions	MARKS	CO	RBT
1 (a)	What are generics? What are the advantages of Generics?	[05]	CO1	L1
(b)	List the functions of Enqueue, Dequeue, peek and Capacity of Queue class.	[05]	CO2	L1
2 (a)	Implement Push, Pop and Display operations on Stack using collections.	[06]	CO3	L3
(b)	What is the difference between Array and ArrayList and SortedList in C#?	[04]	CO2	L1
3 (a)	Explain with a program how we can add Integers, Strings and Boolean values to the ArrayList collection.	[05]	CO3	L3
(b)	Create a Dictionary to store age of members of a family with their name and then print the information.	[05]	CO3	L2
4 (a)	Write an example program with results to implement InsertWith, UnionWith and ExceptWith methods in HashSet.	[08]	CO3	L3
(b)	List the methods and its function used in Linked List Collections	[02]	CO3	L1

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Answer any FIVE FULL Questions	MARKS	CO	RBT
5 (a) Explain how to implement enumerator manually with an example.	[04]	CO2	L2
(b) What is a Delegate? Explain with syntax how to do Declaration, Instantiation and Invocation of Delegates .	[06]	CO3	L2
6 (a) Write a note on Anonymous Delegate.	[04]	CO1	L1
(b) What is the function of Events. With an example, explain how to use Events.	[06]	CO2	L2
7 (a) Mention the need of Language Integrated Query (LINQ) in C#.	[04]	CO2	L2
(b) Explain LINQ to select and order integer data in descending order with an example.	[06]	CO3	L3
8 (a) Explain Operator Overloading and their constraints.	[05]	CO3	L1
(b) Implement Addition of Matrix using Operator Overloading.	[05]	CO3	L3