

USN USN

16/17MCA52

Max. Marks: 80

(08 Marks)

(08 Marks)

Fifth Semester MCA Degree Examination, Jan./Feb. 2021

Programming using C# and .Net

Time: 3 hrs.

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Note: Answer any FIVE Juli questions, choosing ONE Juli question from each module.			
		Module-1	
1		Write the architecture of .NET framework with necessary diagrams.	(08 Marks)
1	a.		
	b.	What is Common Language Runtime? Discuss the role of CLR in executing a prog	(08 Marks)
		OD.	(00 Marks)
_		OR	(00 Mawka)
2	200	Define boxing and unboxing. Explain the same with an example program.	(08 Marks)
	b.	Define the following:	2
		(i) CTS (ii) Metadata and assemblies	
		(iii) Name Space (iv) Scope of variables and its categories.	(08 Marks)
		Module-2	
2		Write a C# program to illustrate the concept of Nested Classes.	(06 Marks)
3	a. L	How properties are used to access data members in C#? Explain with an example j	(4)
	b.	now properties are used to access data memocrs in C#: Explain with an example	(05 Marks)
	c.	Define static members. How static members are used in C# program?	(05 Marks)
	О.	Define static members. Now static members are used in emprogram.	(00 1/11/11/15)
	OR OR		
4	a.	What is runtime polymorphism? Illustrate the same with a program.	(08 Marks)
	b.	How multiple interfaces can be implemented in C#? Explain with an example prog	gram.
			(08 Marks)
		Module-3	
5	a.	What is Delegate? Write a C# program to create and implement a delegate.	(08 Marks)
	Ъ.	Define event. Explain the implementation of event with an example program.	(08 Marks)
		OR	(0.5.3.5 I )
6	a.	What is exception? List any four common C# exceptions.	(05 Marks)
	b.	Write a C# program to implement nested try blocks.	(05 Marks)
	c.	How custom exceptions are handled in C#? Explain with an example program.	(06 Marks)
	ja.	Module-4	
7		Write a C# program to display hidden text in a password box.	(08 Marks)
,	b.	Write a C# program to change fonts using checkboxes.	(08 Marks)
	υ.	Write a Cir program to change ions using enconcess.	(00000000)
OR			
8	a.	Write a C# program to draw on a form using the mouse.	(08 Marks)
	b.	Write a program to add, removes and clear ListBox items.	(08 Marks)
		Module-5	
9	a.	Discuss about Multitier Application Architecture.	(08 Marks)
	b.	What is Session tracking? Explain the same with respect to Cookies.	(08 Marks)

\*\*\*\*

What is AJAX? Discuss about script manager control and update panel control in AJAX.

OR

How to create an Website using ASP.NET?