REV-00 MCA/17/22

MASTER OF COMPUTER APPLICATION FOURTH SEMESTER PROGRAMMING WITH VB.NET MCA-403

(Use separate answer scripts for Objective & Descriptive)

Du	ration : 3 hrs.	Full Marks : 7	0	
Tii	(<u>PART-A : (</u> ne : 20 min.	<u>Objective</u>) Marks : 2	0	
Ch	coose the correct answer from the follo	owing: $1 \times 20 = 2$	0	
1.	The size of an array can be changed at the p	program execution time is known as		
	array.	h D		
	a. Fixed size	b. Dynamicd. Multi dimensional		
	c. Static	u. Multi dimensional		
2.	"A variable can be declared without specify	ying its type"-this property will satisfy the		
	condition of- a. Option Strict On	b. Option Strict Off		
	c. Option Explicit On	d. Option Explicit Off		
	and the second			
3.	To determine whether ais checked			
	a. Group Box			
	c. Radio Button	d. Text Box		
4.	Ais a logical collection of related	classes in VB.NET.		
	a. Project b. Class	c. Form d. Namespace		
5.	The statement terminates the loop	& transfers the execution point outside the		
	'for loop'.	1		
	a. Exit	b. Break		
	c. Exit for	d. Continue		
6.	Thewill hold a copy of the information from the database.			
	a. Connection	b. Command		
	c. DataSet	d. DataAdapter		
7.	In access modifier only obj	iects of the parent type have access to its		
	members.	,		
	a. Friend	b. Private		
	c. Protected	d. Public		
8.	The consists of segments of pre-writte	en code called classes that provide many of		
	the functions that are needed for developin			
		bNET framework class library		
	c. Integrated development environment			
9.	The includes a Text property th	nat contains the caption of the control, but		
	control doesn't contain any text property.			
	a. Combo Box, List Box	b. Text Box, Rich Text Box		
	c. Radio Button, Check Box	d. Group Box, Panel		

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	lication, a product called is used.		
a. CLR cNET Framework	b. Visual Studio.NET	(PART-B : Descriptive)	
	d. All of the above	· · · · · · · · · · · · · · · · · · ·	
11. Fields, properties, methods and eve		Time : 2 hrs. 40 min.	Aarks: 5
a. Constructor c. Members	b. Objects		
c. Members	d. Overloading	[Answer question no.1 & any four (4) from the rest]	
	& edit code that the application requires.		
a. Solution explorer		1. What is a Dynamic array? How it differs from a fixed size array and a	
c. Code window	d. All of the above	control array? Write a program to show the proper use of a dynamic	
13. Designing a is the basis	of any GUI based application.	array.	
a. Window	b. Solution	2. a. What is the importance of using inheritance in a class? What are the	5+5=1
c. Project	d. Form	necessary terms used in a program during inheritance?	
14. One property that applies only to a	a combo hov is the property	b. Write a suitable program to explain all these terms using class.	
a. DropDownStyle		3. a. What is the difference between a function and a sub procedure?	4+6=1
	d. SelectedIndexChanged	b. Write a program to calculate the area of a triangle using a sub	
		procedure and swap the values of 2 numbers using a function.	
	which facilitates development of web	4. a. What is a class? Define the features Encapsulation, Abstraction &	5+5=1
applications. a. DAO	b. RDO	Polymorphism.	
c. ADO	d. ADO.NET	b. Explain the different Access Specifiers used in VB.NET.	
			5+5=1
	_ will run continuously as long as the Boolean	5. a. What is Option Explicit & Option Strict in VB.NET?b. Explain with the help of examples for each of them.	5+5-1
expression evaluates to false. a. Do…loop until	b. Do whileloop		
c. Fornext	d. Selectcase	6. a. Why Radio Button & Check Box controls are used? What is the	4+6=1
		difference between them?	
	l version of a member that has broader scope."-this	b. Write a program to enter the name, course and gender of a student	
technique is called a. Overloading	b. Overriding	where course is a Check Box and gender is a Radio Button and display all the inserted or selected values in a textbox with proper	
c. Shadowing	d. All of the above	format.	
~			
18. Choose true/false statements rega		7. a. Explain different types of looping statements in VB.NET.	5+5=1
i. Any implicit data type can be us		b. Write a program to display all the Armstrong Numbers within a	
ii. Multiple statements under a sina. i. True, ii. False		range given by the user.	
c. i. True, ii. True	d i False ii True	8. a. Why ADO.NET is used in VB.Net?	3+3+4 =1
		b. What are the objects of ADO.NET?	
19. To use an access key,sym		c. Write a sub procedure to display the contents of the database in a data	
a. \$ b. ;	c. : d. &	grid view.	
20. A application runs of	on the Windows Desktop and can consist of one or		
more Windows Forms.		==***==	
a. Windows Forms	b. Properties		
c. Project	d. None of the above		