



# THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)

Re-accredited (2<sup>nd</sup> Cycle) by NAAC with Grade "A", CGPA – 3.46 on a 4-point scale

## Backlog Arrear Examination, March 2021

MCA 6403 / 6625

.NET

Total Marks: 75

Answer any five the questions

(5 x 15 = 75)

- 1) With a neat sketch explain .Net Framework architecture and its salient features.
- 2) (a) Explain in detail about the Inheritance Modifiers (Overload, Override, Shadow, Non Inheritabl and Must Inherit. (10 marks)  
(b) Write a program to implement inheritance in vb.net. (5 marks)
- 3) Design the following form in vb.net to display records from a table and write the steps involved to create database connectivity using ADO.NET and fill a dataset, write functions to handle the buttons.

Student Management System		
Roll No	<input type="text"/>	ADD
Name	<input type="text"/>	DELETE
Department	<input type="text"/>	UPDATE
Mobileno	<input type="text"/>	PREV
		NEXT
		FIRST
		LAST

- 4) (a) Discuss the features of c# as a language. (7 marks)  
(b) Write a program in c# to declare a class and create an object. (8 marks)
- 5) Elaborate on the concept of Operator overloading , its uses and write a program to overload a binary operator.
- 6) (a) Explain the Page Life Cycle in ASP.net. (8 marks)  
(b)Write a program to perform Currency Conversion using ASP.NET (7 marks)
- 7) Explain validation controls in ASP.NET and Write a program using them.

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