

H

Roll No.

TMC-402(4)

M. C. A. (FOURTH SEMESTER)

MID SEMESTER

EXAMINATION, March, 2024

**ADVANCE ENTERPRISE ARCHITECTURE
USING C#**

Time : 1½ Hours

Maximum Marks : 50

Note : (i) Answer all the questions by choosing any *one* of the sub-questions.

(ii) Each sub-question carries 10 marks.

1. (a) Explain .NET framework. Explain some important components of .NET framework. (CO1)

OR

- (b) Define CLR. Explain how it helps in executing IL (Intermediate Language).

(CO1)

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2. (a) What are properties in C#. Explain its classification by using an example. (CO1)

OR

- (b) Define data-types in C#. Write in brief about type conversion in C#.NET. (CO1)

3. (a) What are Indexers ? Write a program to explain the concept of Indexers in C#.NET ? (CO1)

OR

- (b) What are delegates in C#.NET. Explain its classification. Write a program to explain the concept of delegates in C#.NET.

(CO1)

4. (a) Define WPF. Explain any *five* WPF controls. (CO2)

OR

- (b) Define MVVM architecture. Illustrate the components by using a suitable diagram.

(CO2)

(3)

5. (a) Explain XAML. Explain why it is important in application development. Write some benefits by stating an example. (CO2)

OR

- (b) What is XAML collections ? Write a program to add ListBox by using XAML collections. (CO2)

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