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Roll No.

TMC-306

M. C. A. (THIRD SEMESTER)
MID SEMESTER EXAMINATION, 2022
ENTERPRISE ARCHITECTURE USING
C# (.NET)

Time : 1½ Hours

Maximum Marks : 50

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

(ii) Each question carries 10 marks.

1. (a) Define .NET Framework. Write a sample program in C# and explain its working.

10 Marks (CO1)

OR

(b) Explain any *five* windows used while designing C# application through Visual Studio.NET.

10 Marks (CO1)

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2. (a) Define Namespace Explain its need in C#.NET. Write a sample programme to show the use of namespace.

10 Marks (CO1)

OR

- (b) Define reference types and value types in C#.NET. Explain by using an example.

10 Marks (CO1)

3. (a) Explain Boxing. State the difference between Boxing and Unboxing by using suitable example.

10 Marks (CO2)

OR

- (b) Write a program of sorting an array. Declare single dimensional array and accept 5 integer values from the user. Then sort the input in ascending order and display output.

10 Marks (CO2)

4. (a) Define Mutable and Immutable String in C#.NET by using suitable example.

10 Marks (CO2)

OR

- (b) Explain Arrays in C#.NET. Differentiate Simple Array with Jagged Array by using suitable example.

10 Marks (CO2)

(3)

5. (a) Define pre-processor directives in C#.NET. Explain by using suitable example.

10 Marks (CO2)

OR

- (b) What is Nullable in C# ? Explain by using suitable example.

10 Marks (CO2)

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