

[illegible]

MANIPAL ACADEMY OF HIGHER EDUCATION, MANIPAL
MANIPAL SCHOOL OF INFORMATION SCIENCES, MANIPAL

FIRST SEMESTER MASTER OF SCIENCE – M.Sc. (INFORMATION SCIENCE)

DEGREE EXAMINATION – NOVEMBER 2021

SUBJECT: MIS 505 – DOT NET TECHNOLOGIES

Wednesday, November 24, 2021

Time: 10.00 – 13.00 Hrs.

Max.Marks:100

Note: All questions carry equal marks.

1. Explain the advantages of .NET over other platforms. (10 Marks)
2. With a neat diagram, explain the workflow that takes place between the source code, a given .NET compiler, and the .NET execution engine. (10 Marks)
3. Explain Classes and Objects in C#. (10 Marks)
4. Explain the following keywords with respect to methods in C# with an example each
a. out b) ref c) param (3+3+4= 10 Marks)
5. Define inheritance? Explain it with an example in C#. (10 Marks)
6. Explain the following: a) Method overloading b) Method overriding used in C#. (10 Marks)
7. Define an event. What are the properties of events? Show how events are handled. (10 Marks)
8. Explain Class Properties in C#? How can you make a member variable read-only and write only? Explain with an example. (10 Marks)
9. Explain Connected and Disconnected Layer of ADO.Net. (10 Marks)
10. Write a C# code to open a connection to a database and then perform the following actions
a)Insert b)Select c)Delete d)Update (10 Marks)
