Question Paper

MANIPAL ACADEMY OF HIGHER EDUCATION

MANIPAL SCHOOL OF INFORMATION SCIENCES, MANIPAL
FIRST SEMESTER MASTER OF SCIENCE- M.Sc. (INFORMATION SCIENCE) DEGREE EXAMINATION - FEBRUARY 2021
Dot net technologies [MIS 505]

Marks: 100   **Duration: 180 mins.**

SATURDAY, FEBRUARY 6, 2021

Answer all the questions.

1)	With a neat diagram, explain the workflow that takes place between the source code, a given .NET compiler, and the .NET execution engine. (TLO 1.1)	(10)
2)	Discuss Object lifetime in Dot Net. (TLO 1.1)	(10)
3)	Explain Array List class and its properties with an example. (TLO 2.2)	(10)
4)	Explain the following keywords with respect to methods in C# with an example each: (TLO 3.3) (3+3+4=10 Marks) a) out b) ref c) param	(10)
5)	What is inheritance? Explain it with an example in C#. (TLO 8.8)	(10)
6)	Explain with examples the following (TLO 3.3 & TLO 7.7) a) Method overloading b) Method overriding used in C#.	(10)
7)	Define an event. What are the properties of events? Show how events are handled. (TLO 8.8)	(10)
8)	Explain with an example the concept of Class Properties in C#? How can you make a member variable read-only and write only? (TLO 7.7)	(10)
9)	Describe Connected and Disconnected Layer of ADO.Net with an example of where each be concept can be used. (TLO 9.9)	(10)
10)	Write short notes on the following objects (TLO 9.9) (3+3+4=10 Marks) a) SqlConnectionb) SqlCommandc) SqlDataReader.	(10)

-----End-----