Marks: 100



MANIPAL ACADEMY OF HIGHER EDUCATION

SCHOOL OF INFORMATION SCIENCES

FIRST SEMESTER MASTER OF SCIENCE - M.Sc.(INFORMATION SCIENCE) Dot net technologies [MIS 505]

END SEMESTER DEGREE EXAMINATION NOVEMBER 2018 Answer all the questions. 1) Define CLR, CTS, CLS and base class libraries. With a (10)sketch explain their relationships. 2) With a neat diagram explain the workflow that takes place (10)between the source code, a given .NET compiler and the .NET execution engine. 3) Explain with examples Classes and Objects in C#. (10)(10)4) Explain namespace and namespace aliasing in .NET. With example explain the use of a fully qualified namespace. 5) (10)Explain, with an example, Constructors, Constructor Overloading and CopyConstructors in C#. (10)6) Explain with an example the following keywords with respect to methods in C#. a)out b) ref c) param 7) (10)Explain with examples: a) virtual b) override What are Exceptions? Explain the Atoms of .NET Exception (10) 8) Handling. Explain Exception handling clauses the try, catch, and finally keywords. 9) (10)What is inheritance? Explain with an example. 10) Write a C# code to open a connection to a database and (10)then perform the following actions a)Insert b)Select c)Delete d)Update

Duration: 180 mins.

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