

MCA 505E

DOT NET PROGRAMMING

Unit I (10 Hours)

Introduction to The DOT NET:DOT NET Languages, DOT NET Framework , User and Program Interfaces, Windows Forms, Web Forms, Console Applications, Web Services, CLR ,CTS, MSIL tools ,NET Assemblies,

Introduction to C#.net:Data types, Operators, Branching, Looping, Methods, Array, Strings, C# Types: Value Type, reference type, struct Type.

Unit II(10 Hours)

C# Classes, Objects, Constructors, Properties,Inheritance and polymorphism, interface, Abstract class, sealed classes, static classes. Error handling, operator overloading,Garbage Collector.

Introduction to windows forms in C#: layout, forms and controls, creating GUI, Event handling,Built-in dialog boxes.

Unit III(10 Hours)

Architecture of ADO.NET, Connected and Disconnected Database, Create Connection using ADO.NET Object Model, Connection Class, Command Class, Data Adapter Class, Dataset Class. Display data on data bound Controls and Data Grid

Overview of ASP.NET framework: Understanding ASP.NET Controls, Applications Web servers, installation of IIS. Web forms, web form controls – server controls, client controls,

UNIT-IV(10 Hours)

Adding controls to a web form in ASP.NET, Buttons, Text Box, Labels, Checkbox, Radio Buttons, List Box, image controls, data controls, file uploading & downloading. Running web application using ASP.NET, Creating a multiform web project. Form Validation: Client side validation, server Side validation,State management.

Text Books:

1. Schildt, "C# (C Sharp) Complete Reference", Tata McGraw Hill.
2. David Platt, "Introducing Dot Net", PHI Publication.
3. Matthew MacDonald, "The Complete Reference – ASP.NET", Tata McGraw Hill

"C# programming", Wrox Publication