

Mid-Level Assessment Topics - MSTD Jan 2025 Batch

.NET Ecosystem

.NET Framework, .NET Core, .NET 5+

.NET Framework and Ecosystem

Core Components and Execution Model

Project Structure, Configuration, and Development Tools

Security, Assemblies, and Dependency Management

Application Types in .NET

C# Language

Data Types

Operators

Methods

Object Oriented Programming

Encapsulation

Inheritance

Polymorphism

Abstraction

Formating and Parsing

Exception Handling

Properties

Indexers

Collections

Generics

Delegates and Events

LINQ and Operators

Memory Management and File IO

Thread programming

TPL

Asynchronous programming

Serialization

Reflection

Attributes

ASP.NET MVC & MVC Core

MVC Architecture

Routing

Controllers

Views

Models

Tag Helpers

HTML Helpers

Data Access

ADO.NET

Entity Framework

Dependency Injection (DI)

State Management

Security

Filters

Custom Error Handling

Deployment