

# PRSC Recruitment Advertisement No. 06/2021

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## Syllabus for the Post of Dot Net Developer

### WEB Technology (30%)

- Fundamental of Web Essentials: Clients, Servers, and Communication.
- An Introduction to HTML Some Fundamental HTML Elements-Relative URLs-Lists-tables-Frames-Forms-HTML 5.0
- CSS-Introduction to Cascading Style Sheets-Features-Core Syntax-Style Sheets and HTML- Style Rule Cascading and Inheritance-Text Properties-Box Model Normal Flow Box Layout-Beyond the Normal Flow-CSS3.0.
- Client side scripting, Javascript or JQuery, simple Javascript, variables, functions, conditions, loops and repetition etc

### Dot NET Framework and Language (40%)

- ASP.NET, ASP.NET Working with Data. ASP.NET Security, ASP.NET MVC, Entity Framework.
- An Introduction to C#, Classes and Objects, C# - Types, C# - Events, Properties, and Methods.
- Dot net Framework - THE COMMON LANGUAGE RUNTIME (C.L.R.), Dot NET FRAMEWORK CLASS LIBRARY.
- OOPS CONCEPTS CLASSES
- INTRODUCTION TO ADO.NET, ASP.NET Working with Data.
- Hosting Application on IIS Web Server.

### Database (30%)

- Database Fundamentals – Database, SQL
- Database Design - Data Modeling, 1NF, 2NF, 3NF, BCNF, ER Modeling
- SQL Basics – SQL Commands(Insert, Update, delete, Where etc), Data Sorting (Order by, Group By, Having Clause)
- SQL Function
- SQL operators
- SQL Clauses
- SQL Keys