B.P.
B.Sc. VI-Semester
Subject: Computer Application

Max Marks: 85

Theory: 35 marks
Major Project using Oracle + ASP .NET -- 50 marks
CCE - 15 marks

Unit-I: Introduction to .NET, .NET Framework features & architecture, concept of web programming, web browser and web server. Basic HTML Tags, how to create HTML pages and forms.

Unit-II: Web Development: Role of .NET in web development, .NET framework and platform base classes, XML as .NET meta language. Overview of CLR, .NET class frame, study of .NET component.

Unit-III: Introduction to ASP.NET Framework: ASP.NET controls and its overview, control events and view state, understanding ASP.NET pages, source code for .NET class, Dynamic compilation, control Tress using code behind pages, how code-behind work handling page, Events Debugging and Tracing ASP.NET pages.

Unit-IV: Standard control: How to use standard control (TextBox control, Label control, literal control, Checkbox control, Radio Button Control) using the - Radio Button Control, Image Button controls, Image control, Panel control and Hyperlink control. Overview of validation control and java script using custom Validator control, custom Validation control, Range Validator control. Overview of RICH control.

Unit-V: Overview of ADO & ADO.NET, Establishing and Accessing connection, connection String, the DbConnection classes, communication with data source executing command using Data Readers. Concept of Typed Data Set and its programming, Filling a dataset manually using a data adapters, ADO.NET with ASP, data bound controls, data source control, ASP.NET parameters with Data source controls, data binding, data binding expression.

Text and Reference Books:
1. David Chappell - Understanding .NET, A tutorial and analysis.
2. Warkeins, A brams - Programming in the .NET environment.
3. Introduction to .NET framework.