

## **B.C.A. Final Semester VI**

### **Paper III**

### **ASP.NET**

#### **UNIT - IV :**

##### **Introduction to XML**

Introduction to XML, creating DTD, elements and attributes definitions. XML schema. Defining simple and complex types. Namespaces, Schemas and validation. Cascading style sheets (CSS) L and XML, Anatomy of a style, creating and calling style sheets for an XML/HTML document. Layout with CSS. Setting up various properties of elements using CSS. Formatting text with CSS, XML schemas, writing Simple sheets using XSLT, SAX and DOM Parsers, SOAP introduction.

#### **UNIT - II :**

##### **Introduction to ASP .NET**

Introduction to ASP .Net, Types, Object and Namespaces, Setting up ASP .NET and IIS, ASP .NET configuration, ASP .NET Application, Web form Fundamentals, Web Controls, Global.asax Application File, Responding toPostBack Events in ASP .NET.

#### **UNIT - III :**

ASP .NET Validations and Rich Controls: Calendar Control, AdRotator, Advertisement File and AdRotator Class, Server-side Validation, Client –side Validation, Validation Controls, Validated Customer Form. Stat Management, Tracing, Logging and Error Handling.

#### **UNIT - IV :**

Accessing Data with ADO.NET Relational Databases and SQL, ADO .NET Object model, Working with Data –Bound Controls, Populating a DataGrid, DataList and Repeater, Customizing DataSet and Combining Data Tables, Changing Database records accessing, Updating, Deleting and Creating records, Difference between ADO .NET and XML, Adding Controls, Data binding, Database Connectivity.

##### **Reference Books:**

1. Beginning XML By Wrox Press
2. XML how to program By Deitel and Deitel
3. Web Enabled Commercial Application Deveopement using HTML, DHTML, JAVA Script, and PERL-CGI By Ivan Bayross
4. The Complete Reference By Thomas Powell Tata MacGraw Hill
5. ASP .NET-The Complete Reference Tata MacGraw Hill