

B.C.A Semester - 5 (CBCS) Examination
Oct/Nov - 2025 (NEW COURSE)
Programming with ASP.NET(Core)

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate marks.

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- Que. 1 (A) Answer following Questions. (03)
- 1) Name the default web server for ASP.NET Application.
 - 2) File Extension for ASP.NET web form page.
 - 3) Name the Validator that checks if input is entered or not.
- Que. 1 (B) Answer the following Questions. (Any Two) (06)
- 1) Explain Types of Files in ASP.NET.
 - 2) Explain Labels, Textbox, Buttons with its properties and example.
 - 3) Explain File Upload Control with example.
 - 4) Explain installation of IIS Server.
- Que. 1 (C) Answer the following Questions. (Any One) (05)
- 1) Explain ASP.NET Life Cycle.
 - 2) What is validations? Explain Types of validations.
- Que. 2 (A) Answer the following Questions. (03)
- 1) Query String Data is passed via _____.
 - 2) What is state?
 - 3) Cookie is _____ side state storage.
- Que. 2 (B) Answer the following Questions. (Any Two) (06)
- 1) What is state? Why it is required?
 - 2) Explain View State with Example.
 - 3) Explain Session and Application State.
 - 4) Explain the role of ScriptManager and UpdatePanel in AJAX implementation.
- Que. 2 (C) Answer the following Questions. (Any One) (05)
- 1) Explain any five controls from AJAX Control Toolkit.
 - 2) Explain client side and server-side state management.
- Que. 3 (A) Answer following Questions. (03)
- 1) ADO.NET is used to interact with _____.
 - 2) _____ is used to retrieve the data in connected architecture.
 - 3) _____ class is used to open the connection to the database.
- Que. 3 (B) Answer the following Questions. (Any Two) (06)
- 1) What is difference between connected and disconnected architecture?
 - 2) Explain the usage of DataSet, DataTable, and DataRow in ADO.NET.
 - 3) What is a DataReader? What are its features?
 - 4) What is SqlDataSource control? How is it used to display data?
- Que. 3 (C) Answer the following Questions. (Any One) (05)
- 1) Describe the use of the following ADO.NET classes: SqlConnection, SqlCommand, SqlDataReader, and SqlDataAdapter.
 - 2) Explain the process of binding data to data-bound controls in ASP.NET. Include syntax and code example.

- Que. 4 (A) Answer following Questions. (03)
- 1) A _____ Page defines a common layout for multiple web pages.
 - 2) A _____ is a collection of settings that define the appearance of web controls.
 - 3) Storing data objects in memory for reuse is _____.
- Que. 4 (B) Answer the following Questions. (Any Two) (06)
- 1) Explain requirement of Master page in ASP.NET Application.
 - 2) Describe how Master Page, Theme and CSS3 can be used together to Design a website.
 - 3) Differentiate between Absolute and Sliding Cache Expiration.
 - 4) Explain Partial Page Caching.
- Que. 4 (C) Answer the following Questions. (Any One) (05)
- 1) Explain Master page with Example.
 - 2) Explain different types of caching in ASP.NET.
- Que. 5 (A) Answer following Questions. (03)
- 1) Which method is used to read a Dataset from XML?
 - 2) _____ is a protocol for exchanging structured information using XML.
 - 3) Full form of UDDI is _____.
- Que. 5 (B) Answer the following Questions. (Any Two) (06)
- 1) Discuss the use and structure of web.config file in ASP.NET.
 - 2) Describe the basic components of a Web Service.
 - 3) Differentiate between Authentication and Authorization.
 - 4) Explain how to enable custom error pages in ASP.NET?
- Que. 5 (C) Answer the following Questions. (Any One) (05)
- 1) Explain Deployment of an ASP.NET application to a web server.
 - 2) Explain how to read and write DataSets using XML.
