

**B.Sc. Sem.-3 Examination
CC 202**

**Computer Science
December-2025**

Time : 2.30 Hours]

[Max.Marks : 70

- Q.1 **Write the following.**
- A What is ASP.NET Web Forms? Explain the page life cycle of an ASP.NET web page with a neat diagram. 7
- B Describe the role of **CLR, CLS.** 7
- OR
- A Explain the **ASP.NET Framework Architecture** in detail. 7
- B Describe the compilation and execution process of an ASP.NET application. 7
- Q.2 **Write the following.**
- A Explain **Validation Controls** in ASP.NET with examples. 7
- B Differentiate between ASP.NET and Classic ASP based on 7
- OR
- A Explain **Server Controls** in ASP.NET. Differentiate between: 7
- HTML Controls
 - Web Server Controls
 - User Controls
- B 7
- What is State Management in ASP.NET? Explain Session State and Application State with examples.
- Q.3 **Write the following.**
- A Explain ViewState in ASP.NET. What are its advantages and disadvantages? How can ViewState be enabled or disabled? 7
- B What is ADO.NET? Explain its architecture and components such as: Connection (1) DataAdapter (2) DataSet 7
- OR
- A What is ADO.NET? Explain its architecture and components such as: Connection (1) Command (2) DataReader 7
- B Explain Session State and its modes. 7
- Q.4 **Write the following.**
- A Explain Master Pages in ASP.NET. What are the advantages of using Master Pages? Write steps to create and use a Master Page. 7
- B Explain Exception Handling in ASP.NET. Describe the use of: 7
- (1) try-catch-finally (2) Custom error pages (3) web.config error handling

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OR

- A Explain Data Binding in ASP.NET. Write the steps to bind data to a GridView control. 7
- B What is Authentication and Authorization in ASP.NET? Explain Forms Authentication with a flow diagram. 7

Q.5 **MCQ** 14

1. ASP.NET is developed by:
A) Sun Microsystems B) Oracle
C) Microsoft D) IBM
2. ASP.NET is part of which framework?
A) Java Framework B) .NET Framework
C) PHP Framework D) Python Framework
3. Which language is NOT supported by ASP.NET?
A) C# B) VB.NET
C) J# D) Python
4. ASP.NET code runs on:
A) Browser B) Web Server
C) Client Machine D) Database Server
5. Which file is mandatory for an ASP.NET application?
A) default.html B) web.config
C) global.asax D) default.aspx
6. Which event occurs first in ASP.NET page life cycle?
A) Load B) Init
C) PreRender D) Unload
7. Which control is used to maintain page state?
A) Session B) Application
C) ViewState D) Cache

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