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Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)
Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Continuous Internal Assessment Test II - October 2025

V Semester

Class: III UG (2019 & 2022 Batch Repeater)

Time: 2 Hrs

Major: Computer Applications

Max. Marks:60

18BCAC23/21BCAC23 Programming in .NET

Course Outcomes:

1. Knowledge of major elements of the .NET framework.
2. Ability to analyse the basic structure of a VB.NET application.
3. Programming skills using VB on .NET.
4. Design and develop Web based applications on .NET.
5. Capable of integrating webpages using ADO.NET

Part A

Choose the correct answer

6x1=6

1. Which property of the OpenFileDialog control in VB.NET is used to set the file filter that determines which types of files are displayed?? CO3 K2
a. Filter b. FileTypes c. FileName d. FileFilter
2. When using the Try...Catch...Finally block in VB.NET, which of the following statements is true about the execution flow? CO3 K1
a. The Catch block executes only if the Finally block contains an error
b. The Finally block always executes, regardless of whether an exception is thrown or not
c. The Catch block executes only if no exception occurs
d. The Try block is optional when using exception handling
3. What is the default behavior of the AdRotator control in ASP.NET? CO4 K1
a. Displays advertisements randomly from a database
b. Rotates advertisements from a static XML file or database
c. Displays advertisements based on user preferences
d. Rotates advertisements based on the time of day
4. Which of the following validation controls in ASP.NET performs server-side validation to ensure a user enters a valid date? CO4 K2
a. RequiredFieldValidator b. RangeValidator
c. CompareValidator d. RegularExpressionValidator
5. Which ADO.NET class is primarily responsible for executing SQL commands and retrieving data from a database? CO5 K2
a. SqlDataAdapter b. SqlCommand c. SqlDataReader d. SqlConnection
6. Which of the following data source controls is typically used to bind a control to an object that implements IEnumerable? CO5 K2
a. SqlDataSource b. ObjectDataSource c. XmlDataSource d. AccessDataSource

Part B

Answer all questions

3x6=18

7. a. Explain about Common Dialog Controls in VB.NET. Discuss the functionality and application of OpenFileDialog and SaveFileDialog controls. CO3 K2
(Or)
7. b. Explain the role of cookies and session state in ASP.NET with example. CO3 K2
8. a. Explain the application of GridView control in ASP.NET using a program to display data from a database. CO4 K2
(Or)
8. b. Explain the ADO.NET framework. Discuss on the core components of ADO.NET. CO4 K2
9. a. Elucidate the difference between DataReader and DataAdapter in ADO.NET with example. CO5 K1
(Or)
9. b. How do Repeater and DataList controls differ in ASP.NET. Explain with example. CO5 K1

Part C

Answer all questions

3x12 = 36

10. a. Explain in detail about the structure and syntax of try..catch..finally block in exception handling. Explain with example. CO3 K2
(Or)
10. b. Discuss the use and functionality of validation controls in ASP.NET. List and explain the most commonly used validation controls with example. CO3 K2
11. a. Describe the TreeView and Menu controls in ASP.NET. Give example to create hierarchical navigation in web applications. CO4 K1
(Or)
11. b. Explain the functionality of the Calendar control and AdRotator control in ASP.NET. How are they used in web applications? CO4 K2
12. a. Explain the Connection, Command, and DataReader objects in ADO.NET. Give example to retrieve data from a database. CO5 K2
(Or)
12. b. Describe the role of XML in ADO.NET. Explain the working of XML data in ADO.NET using the XmlDataSource control and DataSet with an example. CO5 K1

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Staff in-charge: Dr. V. Kumutha