



Hambard

Avinashilingam Institute for Home Science and Higher Education for Women
Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD (now MoE)
Re-accredited with A++ Grade by NAAC. CGPA 3.65/4, Category I by UGC
Coimbatore - 641043, Tamil Nadu, India

Bachelor's Degree Examination - November 2025
V Semester

Class : III UG 2019 & 2022 Batch (Repeater)
Major : Computer Applications

Time : 3 Hours
Max. Marks : 100

18BCAC23 / 21BCAC23 Programming in .NET

Course Outcomes:

- CO1: Knowledge of major elements of the .NET framework.
- CO2: Ability to analyze the basic structure of a VB.NET application.
- CO3: Programming skills using VB on .NET.
- CO4: Design and develop Web based applications on .NET.
- CO5: Capable of integrating webpages using ADO.NET.

Part A
Choose the Correct Answer

10 x 1 = 10

1. Name the extension of the ASP.NET page. CO1 K1
a. .aspx b. .asp c. .apx d. .asx
2. Identify 'ASP' in ASP.NET. CO1 K1
a. Active Server Pages b. Application Service Pages
c. Active Service Pages d. Application Server Pages
3. List a variable undeclared and automatically taken as to which of the following data type in Visual Basic? CO2 K1
a. Char b. Int c. Object d. String
4. Name the Visual Basic application, that lists about properties window? CO2 K1
a. Items b. Values c. Objects d. Attributes
5. Identify which of the following returns a value after performing its specific task in Visual Basic. CO3 K1
a. Function Procedure b. Sub block
c. Structure d. Sub procedure
6. Name the component in ASP.NET that handles the HTTP requests and responses? CO3 K1
a. Page Controller b. HttpHandler
c. View Engine d. Route Handler
7. List what does the IsPostBack property indicate? CO4 K1
a. Whether the page is being loaded for the first time
b. Whether the page has been redirected
c. Whether the page is posted back to itself
d. Whether the page contains valid data
8. Identify the state management in ASP.NET. CO4 K1
a. Handling user authentication b. Managing database connections
c. Optimizing server performance d. Preserving data over multiple requests
9. Identify which of the following is an ASP.NET server control? CO5 K1
a. <div> b. <header>
c. asp:Button d. <input>
10. Name which Web.config file is used CO5 K1
a. Configures the time that the server-side code behind module is called
b. To store the global information and variable definitions for the application

Part B

5 x 6 = 30

Answer ALL questions

Each answer should not exceed 400 words or two pages

- 11.a. Explain about Components of .Net Framework with a neat diagram. CO1 K2
(or)
- 11.b. Explain about event driven programming. CO1 K2
- 12.a. Explain about Variables and constants. CO2 K2
(or)
- 12.b. Infer about passing variable number of arguments. CO2 K2
- 13.a. Explain about Keyboard events. CO3 K2
(or)
- 13.b. Discuss about Exception Handling. CO3 K2
- 14.a. Explain about Cookies. CO4 K2
(or)
- 14.b. Infer about Tree view. CO4 K2
- 15.a. Explain about Connection Command. CO5 K2
(or)
- 15.b. Explain about Data List control. CO5 K2

Part C

5 x 12 = 60

Answer ALL questions

Each answer should not exceed 800 words or four pages

- 16.a. Explain about the Architecture of .Net Framework. CO1 K2
(or)
- 16.b. Explain about Overview of Visual Studio .Net IDE CO1 K2
- 17.a. Illustrate about Datatypes and loops with examples. CO2 K3
(or)
- 17.b. Interpret about procedures and functions. CO2 K3
- 18.a. Interpret about Multiple Document Interface Forms. CO3 K3
(or)
- 18.b. Infer about Common dialog controls. CO3 K4
- 19.a. Explain about Common Web Controls. CO4 K4
(or)
- 19.b. Explain about Grid View, Detail View and Form View. CO4 K3
- 20.a. Explain about Data Reader and Data Adapter. CO5 K3
(or)
- 20.b. Infer about SQL Data Source with examples. CO5 K4
