



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

Bachelor's Degree Examination - January 2021
V Semester

Class : III UG
Major : Computer Applications

Time : 3 Hours
Max. Marks : 100

18BCAC23 Programming in. NET

Part A
Choose the Correct Answer

10 x 1 = 10

- Which of the following components of the .NET framework provide an extensible set of classes that can be used by any .NET compliant programming language?
 - .NET class libraries
 - Common Language Runtime
 - Common Language Infrastructure
 - Component Object Model
- Which is not a main component of the Visual Studio IDE?
 - Solution Explorer
 - Tool Box
 - Start Menu
 - Designer Window
- Which selection process is an example of multiple branches of a single expression?
 - If... then
 - Select case
 - Do... Loop
 - For...Next
- Which of the following converts the expression to Byte data type in VB.NET?
 - CBool(expression)
 - CByte(expression)
 - CChar(expression)
 - CDate(expression)
- Which is not a property of the Common control class?
 - Show
 - BackColor
 - Font
 - ForeColor
- _____ control is used to provide an identifiable grouping for other controls
 - Frame
 - Label
 - List box
 - Command button
- ASP.Net was first released in
 - March 2001
 - January 2002
 - June 2001
 - December 2004
- What class does the **ASP.NET** Web Form class inherit from by default?
 - System.Web.Form
 - System.Web.UI.Form
 - System.Web.GUI.Page
 - System.Web.UI.Page
- Which database is the ADO.NET SqlConnection object designed for?
 - Access
 - Microsoft SQL Server
 - MySQL
 - Oracle
- Syntax for closing and opening the connection in ADO.net is
 - sqlConn.Open() and sqlConn.close()
 - sqlConn.open() and sqlConn.Close()
 - sqlConn.Open() and sqlConn.Close()
 - sqlConn.open() and sqlConn.close()

Part B

5 x 6 = 30

Answer ALL questions

Each answer should not exceed 400 words or two pages

- 11.a. Describe the Architecture of .NET Framework.
(or)
- 11.b. List and explain about Event Driven Programming.
- 12.a. Discuss about different data types in detail.
(or)
- 12.b. List and explain string functions with suitable example.
- 13.a. Illustrate the steps in creating Multiple Document Interface with example.
(or)
- 13.b. Discuss the Exception Handling techniques in .NET framework with suitable example.
- 14.a. Examine the benefits of Rich Controls with an example.
(or)
- 14.b. Illustrate, how to connect a database with ASP.NET.
- 15.a. Analyze the framework of ADO.NET.
i. Grid view ii. Details view iii. Form view.
(or)
- 15.b. Expound on working with XML.

Part C

5 x 12 = 60

Answer ALL questions

Each answer should not exceed 800 words or four pages

- 16.a. Elaborate on the components of .NET framework.
(or)
- 16.b. Describe the features of IDE in Visual Studio.NET.
- 17.a. Explain the usage of various control statements with example.
(or)
- 17.b. Compare and contrast procedures and functions.
- 18.a. Describe the properties of windows common controls in detail.
(or)
- 18.b. Describe the properties of Common dialog controls in detail.
- 19.a. Design a form for students mark details and Calculate the following
i. Total (4 marks) ii. Percentage (4 marks) iii. Grade (4 marks)
with button controls like Show result, Clear, Exit using VB.Net.
(or)
- 19.b. Design an application using ADO.NET control to show records in GridView control.
- 20.a. Write a ASP.Net code to List all the files in a Directory on a Web Form.
(or)
- 20.b. Create a web application using ASP.NET for Online Shopping with database Connectivity
