

**BACHELOR OF COMPUTER APPLICATION
FOURTH SEMESTER
.NET TECHNOLOGY
BCA-403**

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

Marks: 20

(Objective)

Choose the correct answer from the following:

1 × 20 = 20

- One property that applies only to a list box is theproperty.
 - DropDownStyle
 - DropDownList
 - Checked
 - SelectedIndexChanged
- Using import statement:
 - Allows references to members of a namespace
 - Used to reference an external library
 - Both a & b
 - It cannot be used in .NET
- What is CTS in .NET?
 - Defines rules concerning data types
 - Defines a set of rules for all compilers to generate & manage code for .NET
 - Describes a set of features that different languages have in common
 - None of the above
- All the HTML Server controls can be accessed through the..... object in ASP.Net.
 - Request
 - Response
 - Component
 - Init
- "A variable can implicitly convert the data type"- this property will satisfy the condition of:
 - Option Strict On
 - Option Strict Off
 - Option Explicit On
 - Option Explicit Off
- Which of the following method is best suited when aggregate function is used in the SELECT statement?
 - ExecuteScalar
 - ExecuteReader
 - ExecuteNonQuery
 - ExecuteNonQuery
- C#.Net language supports..... to add a new array in a program code
 - ()
 - []
 - { }
 - ;
- The..... consists of segments of pre-written code called classes that provide many of the functions that are needed for developing .NET applications.
 - Visual studio.NET
 - .NET framework class library
 - Integrated development environment
 - All of the above
- In .Net Technology, data is handled through.....which facilitates development of web applications.
 - RDO
 - ADO
 - ADO.NET
 - Both b & c

10. In C#, the extension for C# language is.....
 - a. .c
 - b. .cs
 - c. .cpp
 - d. .csp
11. The..... object is used to fill a DataSet/DataTable with query results in ADO.Net.
 - a. DataConnection
 - b. DataAdapter
 - c. DataTables
 - d. DataReader
12. ASP.NET validation control handles its validation at.....
 - a. Client side only
 - b. Server side only
 - c. Both a & b
 - d. None of the above
13. To determine whether a..... is checked or not, the 'checked' property is tested.
 - a. Check Box
 - b. Radio Button
 - c. Both a & b
 - d. Text Box
14. Every C# statement is terminated by.....
 - a. Colon (:)
 - b. Semicolon (;)
 - c. Comma (,)
 - d. Dot(.)
15. In .Net Technology,is used to query & write to a database.
 - a. Access
 - b. Command
 - c. Connection object
 - d. SQL
16. The..... is used to create text input of HTML in ASP.Net.
 - a. Text
 - b. Text area
 - c. Text field
 - d. Textbox
17. The..... of operator specifies the direction of the operation to be performed.
 - a. Precedence
 - b. Associativity
 - c. Binary type
 - d. Ternary type
18. ASP.NET prepares columns and rows automatically with the default option and then displays it with the help of..... control.
 - a. Textbox
 - b. Button
 - c. Combo box
 - d. Data grid view
19. C# programming language is used to develop:
 - a. Web apps
 - b. Desktop apps
 - c. Mobile apps
 - d. All of the above
20. VB.Net language supports..... keyword to declare a variable.
 - a. Dimension
 - b. Datatype
 - c. Dim
 - d. All of the above

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(Descriptive)

Time :: 2 hr. 30 mins.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

1. Describe the features of C#.Net. Write a program in C#.Net Windows application to find the square root of a number. 4+6=10
2. Write short notes on: 5×2=10
 - a) Solution Explorer
 - b) Properties Window
3. a) Write down three differences between ADO and ADO.NET. 3+7=10
b) What are the benefits of using ADO.NET?
4. How Common Dialog is used to change the font of a textbox input? Explain with the help of an example. 5+5=10
5. Why are validation controls used in ASP.Net? Explain each type of validation controls used in ASP.Net. 2+8=10
6. a) What are the similarities and differences of List Box & Combo Box controls? 4+6=10
b) Write a program to enter the name, course and semester of a student where course is either UG or PG entered in a Combo Box and semester is from I to VI entered in a List Box. Both course and semester values should be entered using sub-procedure for each. Lastly, display all the entered values in a textbox with a suitable sentence.
7. What is ODBC Control? How it is useful in Database connectivity? Write a sub procedure in VB.Net to search an item record using item_no using ODBC. 2+2+6=10
8. Why CTS can be used in any of the programming languages supported by .Net Technology? Write a comparison study between all the data types with CTS. 5+5=10

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