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EXAMINATION : JUNE - 2022
SEMESTER – III/V
Sub: VB.Net (BCA –343/531)

Date :16/06/2022   **Total Marks : 60**   **Time: 10.00 am to 12.30 pm**

Instructions:
1. *All questions are compulsory unless and otherwise stated.*
2. *Bold figures to the right of every question are the maximum marks for that question.*
3. *Candidates are advised to attempt questions in order.*
4. *Answers written illegibly are likely to be marked zero.*
5. *Use of scientific calculators, Log tables, Mollier Charts is allowed.*
6. *Draw neat and labelled diagrams wherever necessary.*

Q.1. **Fill in the blanks.**   **(5)**

1. _____that a property or procedure is not implemented in this class and must be overridden in a derived class before it can be used.
   - a) Not Inheritable
   - b) Must Override
   - c) Must Inherit
   - d) Narrowing
2. _____ access modifier identifies a property as the default property of its class, structure, or interface
   - a) Friend
   - b) By Val
   - c) Default
   - d) By Ref
3. _____ access modifier specifies that one or more declared programming elements are accessible for all Class
   - a) Public
   - b) Protected
   - c) Private
   - d) Static
4. _____ keyword is used only for member access.
   - a) Me
   - b) Shadow
   - c) Overload
   - d) My Class
5. The _____ object communicates with SQL Server.
   - a) Connection
   - b) Server Connection
   - c) SQL Connection
   - d) OLEDB Connection

Q.2. **State True/False.**   **(5)**

1. Array indexing starts from 0.

2. Optional specifies that a procedure argument can be omitted when the procedure is called.

3. Visual Basic .net has a command line compiler.

4. Must Inherits specifies that a property or procedure is not implemented in this class and must be overridden in a derived class before it can be used.

5. The System.System Exception class is the base class for all predefined system exception in VB.NET.

Q.3.   Answer the following. (Solve any 5)   **(10)**

1. How to declare constructor in VB.Net.

2. What is the purpose of Must Override keyword in VB.NET?

3. What is Polymorphism?

4. What is the difference between value and reference types?

5. What is the purpose of Protected keyword in VB.NET?

6. What is data adopter?

Q. 4.   Answer the following in detail. (Solve any 6)   **(30)**

1. Write a program showing overloading functionality.

2. Explain Constructor and types of Constructor with suitable example.

3. Explain different data types used in vb.net

4. Explain exception handing in details

5. Write a program to calculate area of circle, square and triangle using constructor overloading.

6. Explain following controls and their any one property

> a) Date and Time
> b) Combo box
> c) Option button
> d) TextArea
> e) Timer

7. Write a console-based application

> Create a Class Student : Data Members - StudentID, Name, Qualification, Percentage.
> Methods –
> GetData( ) : - Will read information from user and write it in a text file.
> ShowData( ) : - Will display information on screen.

Q. 5.   Answer the following in detail. (Solve any 1)   **(10)**

1. What do you understand with connected architecture of VB.net.

2. Describe .Net framework architecture with the help of a diagram.

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