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S.F



BCACAC 233

**Third Semester B.C.A. Degree Examination, April 2021
(Choice Based Credit System)
(2020-2021 Batch Onwards)
VISUAL BASIC .NET PROGRAMMING**

Time : 3 Hours

Max. Marks : 80

Note : Answer **any ten** questions from Part – A and **one full** question from **each** Unit of Part – B.

PART – A

1. a) List two components of .NET framework. (10×2=20)
- b) What do you mean by intellisense ? Mention any four intellisense features.
- c) Write the syntax of declaring variables and give one example for declaring variable.
- d) What is the purpose of ResumeNext ?
- e) List four methods of VB.NET form.
- f) What is the use of Windowstate property ? Specify the values.
- g) Differentiate checkbox and radio buttons.
- h) Differentiate textbox and labels.
 - i) How to
 - i) Clear a combobox
 - ii) Get the number of items in a combobox.
 - j) List any 4 properties of ColorDialog control class.
- k) What is the purpose of ADO.NET ?
 - l) Differentiate executeReader() and executeScalar() methods.

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PART – B
UNIT – I

2. a) Explain any two mouse events in VB.NET.
b) Explain the following parts of VB.IDE.
i) The Toolbox
ii) The Solution Explorer
iii) The Properties Window.
c) Explain Do..Loop and For.. loop with syntax and example. (4+6+5)
3. a) List and explain any three keyboard events in VB.NET.
b) Explain the keywords Public, Private, Friend, Protected and Static used in declaring the variables.
c) Explain Foreach..Next and Do..Until loops with their syntax and example. (3+6+6)

UNIT – II

4. a) Write the syntax of creating sub procedures in VB.NET. Give an example.
b) Explain unstructured exception handling with example.
c) Explain any five unique properties of form. (5+5+5)
5. a) Explain the use of static variables in a procedure with suitable example code.
b) Explain structured exception handling with example.
c) Write a note on MsgBox function. (5+5+5)

UNIT – III

6. a) Explain the following properties of a textbox :
i) Multiline
ii) MaxLength
iii) Wordwrap
iv) Scrollbar
v) PasswordChar.
b) What is the use of scrollbar ? Explain its unique properties.
c) Explain DateTimePickers with their static properties. (5+5+5)



7. a) Write the code for following with reference to ListBox :
- i) Removing items
 - ii) Adding items
 - iii) Sorting items
 - iv) Determining number of many items
 - v) Determining items selected.
- b) What is the use of trackbar ? Explain its unique properties.
- c) Write VB.NET program to create any tree structure using tree view control.

(5+5+5)

UNIT – IV

8. a) What is a Context Menu ? How to create it ?
- b) Explain the following with two properties, events and methods :
- i) Open File Dialogs
 - ii) Font Dialogs
 - iii) Print Preview.
- c) Explain the following objects of ADO.NET :
- i) Data Connection objects
 - ii) Command objects
 - iii) Data table objects .

(3+6+6)

9. a) Give one example for each of the following in SQL :
- i) The IN clause
 - ii) The LIKE clause
 - iii) SELECT statement
 - iv) The BETWEEN clause
 - v) The DISTINCT clause.

- b) How do you create menu access keys, menu shortcuts and check marks to menu items ?

- c) Explain the concept of databinding in VB.NET.

(5+5+5)