

Reg. No.

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BCACAC 261

Credit Based Fourth Semester B.C.A. Degree Examination, April/May 2017
(New Syllabus – Common to all Batches)
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 in Part – B.

PART – A

1. a) What is Class Library with reference to .NET Framework ? (10×2=20)
- b) Write the use of *System.date* and *System.Windows.Forms* namespaces.
- c) What is IntelliSense ? Mention any two options of IntelliSense.
- d) Write the use of *str* and *val* functions. Give example for each.
- e) Write the purpose of *IsNumeric()* and *IsError()* functions.
- f) Mention the uses of Rich Text Box.
- g) Differentiate Panel control and GroupBox Control.
- h) What is the use of *Finally* block ?
 - i) What do you mean by block scope ? Give an example.
 - j) Write the use of *ExecuteScalar* and *ExecuteNonQuery* methods.
- k) What is the use of data grid ?
 - l) Name any two data providers.

PART – B

Unit – I

2. a) Explain the following parts of VB IDE :
 - i) Properties Window
 - ii) Code Window
 - iii) Toolbox.

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- b) Write the syntax of Select Case and give an example.
- c) Explain For Loop and For Each...Next Loop with syntax and example. (6+4+5)
3. a) Explain the use of 'with...end with' with syntax and example.
- b) Write the purpose of On Error Goto and Resume Next statement.
- c) Explain option and import statements in detail. Give an example for each. (4+5+6)

Unit – II

4. a) Describe the MaxLength, PasswordChar, ReadOnly, MultiLine, Text and WordWrap properties of Textbox.
- b) Write VB code for the following :
- i) Setting Title Bar Text to the form
 - ii) Showing and hiding controls in code
 - iii) Enabling/Disabling Forms
 - iv) Setting up Startup Form
 - v) Creating Multiple Document Interface (MDI) Applications.
- c) Write the syntax and explain InputBox function. (6+5+4)
5. a) Explain MsgBox function with syntax and example.
- b) Describe any five noteworthy public properties of Checkbox.
- c) Explain the method of copy or select text to/from the clipboard. (6+5+4)

Unit – III

6. a) List and explain any three methods and two events of a ListBox.
- b) Explain any four properties of DateTimePicker.
- c) Write the use of :
- i) ImageList
 - ii) Timer
 - iii) Splitter
 - iv) Tooltip
 - v) Trackbar. (6+4+5)



7. a) Explain with an example how to determine the items are checked in a CheckedListBox.
- b) List the built in dialog controls in VB.NET. Explain any three of them.
- c) Write a note on *Nodes and SelectedNode* properties of TreeView Control. Also write the use of TreeView Control. (5+7+3)

Unit – IV

8. a) Explain the following ADO.NET objects :
- i) Data Connection Object
 - ii) Data Adapters
 - iii) Command Objects
 - iv) Data Sets
 - v) Data Readers.
- b) What is data binding ? Explain the different ways to use data binding in VB.NET application. (10+5)
9. a) Explain the following, give an example for each :
- i) SELECT command
 - ii) Using *WHERE* Clauses
 - iii) Using the *BETWEEN* Clause
 - iv) Using the *IN* Clause
 - v) Using the *ORDER BY* Clause.
- b) Write a note on navigations in data sets. (10+5)