[68]

SARDAR PATEL UNIVERSITY
External Examination (CBCS)
B. Sc. (Computer Science) – 5th - Semester
US05CCSC22: Visual Programming through VB.NET
26th December, Saturday – 2020
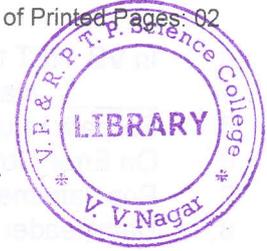
Time: 2.00 pm to 4:00 pm

Total Marks: 70

Q-1 Select an appropriate option. [10]

1. Which system provides the type architecture of the framework and guarantees type safety?
   (a) CTS   (b) CST   (c) Type   (d) Type safe

2. VB.Net code resides in which file?
   (a) .vb   (b) .js   (c) .designer.vb   (d) .vsdisco

3. A Procedure that does not return a value is called as_____.
   (a) Sub Procedure   (b) Method   (c) Constructor   (d) Function

4. Which statements are optional in an If...Then statement?
   (a) If   (b) Else   (c) Then   (d) All of these

5. In procedure when arguments are passed _____ then procedure can modify the underlying variables in calling code.
   (a) ByRef   (b) ByDefault   (c) ByVal   (d) None of these

6. _____ is at the highest position in namespaces hierarchy.
   (a) System   (b) System.Drawing   (c) System.Collection   (d) System.Data

7. The Tick event is found only in which object?
   (a) Form   (b) Button   (c) TextBox   (d) Timer

8. Which symbol creates an access key in the text of a menu item?
   (a) @   (b) #   (c) $ (d) &

9. What is the major component of connected data architecture?
   (a) DataReader   (b) DataSet   (c) DataAdapter   (d) DataCommand

10. DataSets are loaded from the database using the:
    (a) Load method   (b) Read method   (c) Fill method   (d) None of these

**Q-2** Fill in the blanks / True or False [08]

1. The JIT is one type of _____.
2. _____ statement is used to declare variable in vb.net.
3. In VB .NET, inputbox returns _____ type of data.

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(P.T.O.)

4. In VB .NET to transfer control immediately to the next iteration of a loop _____ statement is used.
5. Fullpath returns the full path of a selected node in a treeview. (True / False)
6. On Error Goto statement enables exception handling. (True / False)
7. Populate method is used to populate DataSet. (True / False)
8. DataReader object provide connection to the database. (True / False)

Q-3 Answer the following questions. (Attempt any TEN) [20]

1. Write a short note on MSIL?
2. Define Boxing.
3. What is JIT?
4. Write a difference between MDI and SDI.
5. What is procedure? How it is created in VB .NET?
6. How functions are declared in VB .NET?
7. What do you mean by debugging?
8. Explain any four properties of RichTextBox.
9. Differentiate between label and linklabel.
10. What are the features of ADO.Net?
11. What are the usages of the Command object in ADO.NET?
12. What is difference between DataSet and DataReader?
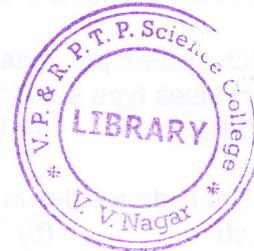
Q-4 Answer the following question. (Attempt any **FOUR**) [32]

1. State the Datatype of VB.Net and Explain?
2. Write a note on any five string functions.
3. What is procedure? How the procedures are declared? Explain the ways of passing arguments with example. What is the use of 'By Val' & 'By Ref' keyword?
4. Explain: (i) If…End If (ii) While…Wend
5. Explain Listbox and Checkedlistbox.
6. Explain: (i) Button (ii) PictureBox & Groupbox
7. Explain the connected architecture of ADO.NET in brief.
8. Explain use of "ExecuteScaler" , "ExecuteNonQuery" and "ExecuteReader" method in detail.

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