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SARDAR PATEL UNIVERSITY
B.Sc. (CA & IT) Semester-III
Examination November 2022
US03CIIT53: Visual Programming

Date: 11/11/2022, Friday   Total Marks: 70
Time: 02:00 P.M. To 05:00 P.M.

Notes:
1. Figure to the right indicate full marks of the questions.

Q:1 Multiple Choice Questions.   **[10]**

[1] The JIT is a one type of _____
  (A) Hardware   (B) Complier
  (C) Timer   (D) None of these

[2] Dynamic Arrays can Redimensioned using _____ Keyword.
  (A) Dim   (B) Redem
  (C) ReDim   (D) None of these

[3] In VB .NET, inputbox returns _____ type of data.
  (A) String   (B) Double
  (C) Integer   (D) None of these

[4] To come out from any loop _____ statement is used.
  (A) Exit   (B) Break
  (C) Quit   (D) None of these

[5] The Activated event is found only in _____object.
  (A) Button   (B) Form
  (C) TextBox   (D) None of these

[6] Which symbol creates an access key in the text of a menu item?
  (A) @   (B) $
  (C) &   (D) None of these

[7] Which of the following is not a standard dialog box?
  (A) ColorDialog   (B) FontDialog
  (C) ZoomDialog   (D) OpenDialog

[8] _____method is used to populate DataSet.
  (A) Open   (B) Fill
  (C) Populate   (D) None of these

[9] In a connection string _____ represents name of the database.
  (A) DataSource   (B) Initial Database
  (C) Initial Catalog   (D) None of these

[10] _____ is the major component of connected architecture.
  (A) DataReader   (B) DataSet
  (C) DataAdapter   (D) None of these

P.T.O

Answer the Following. (Attempt Any Ten)   **[20]**

[1]   What is a variable? Explain how variables are declared in VB.NET.

[2]   List any five operators supported in VB.NET.

[3]   What is a constant?

[4]   List any five events supported by Windows Form and explain any one of them.

[5]   Explain Show method of Windows Form.

[6]   Write syntax of Do....Loop with example.

[7]   List out any four important property of RichTextBox.

[8]   Differentiate between ListBox and ComboBox.

[9]   What is use of timer control? List its important property.

[10] Write differences between DataSet and DataReader.

[11] Which namespaces are required to enable the use of databases in ADO .NET?

[12] Mention different types of data providers available in ADO.NET Framework.

Q:3   **[A]**   What is .NET? Explain .NET architecture with neat Diagram.   **[10]**

OR

[A]   What is Data Type? List and explain data types of VB.NET with example.   **[10]**

Q:4   **[A]**   Explain the ways of passing arguments with example. What is the use of By Val & By Ref keyword?   **[05]**

[B]   Explain declaration of function in detail with example.   **[05]**

OR

[A]   Explain Form life cycle of VB.NET in detail.   **[05]**

[B]   Explain MessageBox of VB.NET with example.   **[05]**

Q-5   **[A]**   Explain try.... Catch ... final in detail with example.   **[05]**

[B]   Explain following controls with its properties, methods and events.   **[05]**
    (I) DateTimePicker   (II) TreeView

OR

[A]   Write down the steps to add menu on the form and explain at least five properties of it.   **[05]**

[B]   Explain following controls with its properties, methods and events.   **[05]**
    (I) Button   (II) Label

Q-6   **[A]**   Describe the connected architecture of ADO.NET data access model.   **[05]**

[B]   Explain use of ExecuteNonQuery() and ExecuteReader() methods in detail.   **[05]**

OR

[A]   Explain the step, how can we retrieve data in DataSet.   **[05]**

[B]   Describe the disconnected architecture of ADO.NET data access model.   **[05]**