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**SARDAR PATEL UNIVERSITY**  
**B.Sc (CA & IT) Examination (Reg. & NC) – 2022**  
**[US03CIIT23] : Visual Programming**

**Date: 11/11/2022 (Friday)**

**Time: 2.00pm to 5.00pm**

**Total Marks: 70**

**Note: Figure indicates at right is maximum marks for question.**

- Q -1 Select an appropriate option for the following statements. [10]**
1. CLS stands for \_\_\_\_\_.  
[a] Common Language System [b] Computer LAN System  
[c] Common Language Specification [d] Computer LAN Software
  2. What is Namespace?  
[a] Collection of files [b] Package  
[c] Framework [d] Collection of methods
  3. \_\_\_\_\_ Statement is used to declare variable in VB.NET.  
[a] Var [b] Int  
[c] Dim [d] All of these
  4. SDI stands for \_\_\_\_\_.  
[a] Standard Document Interface [b] Standard Document Integrated  
[c] Single Document Interface [d] None of these
  5. In VB .NET, InputBox returns \_\_\_\_\_ type of data.  
[a] Double [b] Integer  
[c] String [d] None of these
  6. \_\_\_\_\_ loop execute at least once.  
[a] while [b] do...while  
[c] If [d] for
  7. The Activated event is found only in which object?  
[a] Form [b] Button  
[c] Text Box [d] Timer
  8. Which symbol creates an access key in the text of a menu item?  
[a] @ [b] #  
[c] \$ [d] &
  9. Which namespace defines the interfaces implemented by a .NET Data Provider?  
[a] System.Data [b] System.Data.OleDb and System.Data.SqlClient  
[c] System.Data.SqlTypes [d] System.Data.Provider
  10. For insert, update, and delete SQL commands, \_\_\_\_\_ method is used.  
[a] ExecuteDataReader [b] ExecuteScalar  
[c] ExecuteNonQuery [d] ExecuteReader

**Q-2 Write a brief answer for the following questions. (Attempt any Ten)**

**[20]**

1. What is MSIL?
2. List datatypes supported by VB.NET.
3. List Parts of IDE.
4. **Differentiate:** MessageBox V/S Inputbox
5. Explain methods and events.
6. Compare Procedure with Function.
7. Explain syntax of try...catch statement.
8. Explain use of timer.
9. Explain listbox and combobox.
10. What are the application of ADO.NET?
11. What is DataSet object?
12. Explain connection string in brief.

**Q-3**

[A] Write a note on Tool Box.

[05]

[B] Write a note on Boxing and Unboxing.

[05]

**OR**

[A] Explain Class Library in detail.

[05]

[B] What do you mean by VB.NET? Explain its features.

[05]

**Q-4**

[A] Explain form life cycle in detail.

[05]

[B] Explain while...wend

[05]

**OR**

[A] Explain structure of select...end select.

[05]

[B] Explain module in detail.

[05]

**Q-5**

Explain properties, methods and events of Button, Label and Textbox

[10]

**OR**

**Q-5**

Discuss ColorDialogbox, FontDialogbox and Groupbox with all its properties, methods and events

[10]

**Q-6**

[A] Briefly discuss connected architecture of ADO.NET

[05]

[B] What are the four common SQL commands used to retrieve and modify data in a SQL Database? Also explain each of them.

[05]

**OR**

[A] Briefly discuss disconnected architecture of ADO.NET's data access model

[05]

[B] Explain use of "ExecuteScaler" and "ExecuteNonQuery" method in detail

[05]

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