

80

[44-A]

SARDAR PATEL UNIVERSITY
TYBCA (Semester-V) (CBCS) EXAMINATION *April, 2019*
US05CBCA01 Visual Programming through VB.NET

Date: *5/4/2019*
Friday

5
 Time: 2 pm to 4 pm

Total Marks: 70

Q. 1 Select most appropriate single answer:**[10]**

- (1) VB.NET code resides in a file with _____ extension.
 (A) .vb (B) .designer.vb
 (C) .res (D) .cpp
- (2) VB.NET is _____ language.
 (A) OOP (B) procedural (C) assembly (D) query
- (3) _____ statement is used to declare variables in VB.NET.
 (A) Sub (B) Dim (C) Do (D) Next
- (4) MDI stands for _____.
 (A) Multi Device Interface (B) Multiple Document Interface
 (C) Multiple Document Integrated (D) None of these
- (5) _____ is the location where we can put our common code for the application.
 (A) Form (B) Module (C) Procedure (D) Menu
- (6) _____ is default event for form.
 (A) Load (B) Click (C) Show (D) Focus
- (7) How many RadioButtons in a Group Box can be selected at the same time?
 (A) 1 (B) 2 (C) 3 (D) 0
- (8) _____ control display hierarchy of nodes .
 (A) TreeView (B) LinkLabel (C) ListBox (D) All of these
- (9) _____ object provide connection to the database.
 (A) DataSet (B) DataReader (C) Connection (D) DataAdapter
- (10) If the SQL query is not returning any records from the database, _____ method is used.
 (A) ExecuteReader (B) ExecuteScalar
 (C) ExecuteNonQuery (D) ExecuteXmlReader()

Q. 2 Answer ANY TEN of the following questions briefly:**[20]**

- (1) What is CLS?
- (2) Define Boxing.
- (3) Write a short note on JIT Compiler.
- (4) Differentiate between: MessageBox and Inputbox.
- (5) How are functions declared in VB .NET?
- (6) Define: Property, method and event.
- (7) What is the use of Groupbox?
- (8) Write syntax of Try.....Catch statement.
- (9) Differentiate between Label and LinkLabel.
- (10) Mention different types of data providers available in ADO.NET Framework.
- (11) What are the uses of the Command object in ADO.NET?
- (12) What is the difference between DataSet and DataReader?

(P.T.O)

(4)

Q. 3

- (A) List and explain any five datatypes available in VB.NET. [05]
(B) What is an Array? Explain array declaration in VB.NET with example. [05]

OR

Q. 3

- (A) Explain any five String functions in VB.NET with example. [05]
(B) Explain .NET architecture. [05]

Q. 4

What is a procedure? Discuss how it is defined with the help of appropriate example. [10]
Also, discuss pass by mechanisms for arguments to procedures.

OR

- Q. 4 Explain the following structure with example: [10]
(1) For...Next (2) Select ... End Select (3) With...End With

Q. 5

- (A) Explain following controls with their properties, methods and events: Textbox, Button [05]
(B) Explain Listbox and CheckedListbox. [05]

OR

Q. 5

- (A) Explain following controls with its properties, methods and events: DateTimePicker, Timer [05]
(B) Write a note on HScrollbar and VScrollbar. [05]

Q. 6

- (A) Explain the connected architecture of ADO.NET in brief. [05]
(B) Explain the steps to bind the application with database in ADO.NET. [05]

OR

Q. 6

- (A) Explain public methods of SqlCommand object. [05]
(B) Describe the disconnected architecture of ADO.NET. [05]

