

SARDAR PATEL UNIVERSITY
External Examination
B. Sc. – Information Technology – Fifth Semester
US05CINT03: Visual Programming through VB.NET
18th November, Monday, 2013

Time: 10:30 am to 01:30 pm

Total Marks: 70

Q-1 Select an appropriate option.

10

1. Full form of CLS _____
(a) Common Language System (b) Computer LAN System
(c) Common Language Specification (d) Computer LAN Software
2. The JIT is one type of _____.
(a) Hardware (b) Time (c) Measurement Unit (d) Compiler
3. VB.Net is Called as _____ Programming Language.
(a) Assembly (b) Procedural (c) OOP (d) Functional
4. In VB .NET, inputbox returns _____ type of data.
(a) Double (b) Integer (c) String (d) None of these
5. MDI stands for _____
(a) Multiple Document Interface (b) Multi Device Interface
(c) Multiple Document Integrated (d) None of these
6. User can also use _____ statement to call procedure.
(a) Recall (b) Call (c) Procedure (d) None of these
7. Which property determines whether a control is displayed to the user?
(a) Hide (b) Show (c) Visible (d) Enabled
8. _____ returns the full path of a selected node in a treeview
(a) Fullpath (b) Rootpath (c) Fulllocation (d) None
9. _____ is disconnected, in-memory representation of data.
(a) DataReader (b) DataSet (c) DataAdapter (d) DataCommand
10. _____ method returns result set by way of DataReader object.
(a) ExecuteDataReader (b) ExecuteScalar
(c) ExecuteNonQuery (d) ExecuteReader

Q-2 Answer the following questions. (Any TEN)

20

1. What is MSIL?
2. List any five operators.
3. Define Boxing and Unboxing.
4. Differentiate between : MessageBox – Inputbox.

5. List any four properties supported by Windows Form.
 6. How functions are declared in VB .NET?
 7. Explain the use of Menu.
 8. What do you mean by debugging?
 9. Differentiate between radio button and checkbox.
 10. What is the use of the Connection object?
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11. Which properties are used to bind a DataGridView control?
 12. What are the features of ADO.Net?
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- Q-3 Explain .NET Architecture. 10
- OR**
- Q-3 Write short note on followings: 10
 (i) Datatype in VB.Net (ii) Variable in VB.Net
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- Q-4
- (a) Explain the ways of passing arguments with example. What is the use of 'By Val' & 'By Ref' keyword? 5
 - (b) Explain the following structure with example. 5
 (i) If...End If (ii) While...Wend
- OR**
- Q-4
- (a) What is MDI? What is SDI? Write down the features of MDI. Also write down the difference between MDI & SDI. 5
 - (b) Explain the following structure with example. 5
 (i) Select ... End Select (ii) Do...Loop
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- Q-5
- (a) Explain Combobox and Timer control with its properties, methods and events. 5
 - (b) Write a note on HScrollbar and VScrollbar. 5
- OR**
- Q-5
- (a) Explain DateTimePicker and Listbox control with its properties, methods and events. 5
 - (b) Explain try.... Catch ... final in detail with example. 5
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- Q-6
- (a) Explain the connected architecture of ADO.NET in brief. 5
 - (b) Explain the steps to bind the application with the Database in ADO .net. 5
- OR**
- Q-6
- (a) Explain the step, how can we retrieve data in DataSet? 5
 - (b) Explain use of "ExecuteScaler" , "ExecuteNonQuery" and "ExecuteReader" method in detail. 5