

**SARDAR PATEL UNIVERSITY**  
**T.Y. B.Sc. EXAMINATION, SEM – V**  
**BIOINFORMATICS**

**US05CBNF01: Visual Programming**

Date: 11/11/2019, Monday      Time: 10:00am To 01:00pm

Max. Marks: 70

Q.1 Multiple choice of Question:

10

- [1] What is CLR?  
 [A] Common Language Runtime    [B] Clean Run  
 [C] Class Language Runtime      [D] Common Object Language Runtime
- [2] VB.Net code resides in which file?  
 [A] .js            [B] .vb            [C] .designer.vb      [D] .vsdisco
- [3] In VB .NET, inputbox returns \_\_\_\_\_ type of data.  
 [A] String    [B] Integer    [C] Double      [D] None of these
- [4] In For loop, the default value of step is \_\_\_\_\_.  
 [A] 1          [B] 2          [C] 3          [D] None of these
- [5] Which symbol creates an access key in the text of a menu item?  
 [A] #          [B] @          [C] &          [D] \$
- [6] Which menu object property places a check mark in the display of the menu text?  
 [A] Check      [B] CheckOn    [C] CheckMark    [D] Checked
- [7] The Items property of a ComboBox:  
 [A] is a collection of items  
 [B] contains methods and properties.  
 [C] is same as Items property of a ListBox  
 [D] All of the above.
- [8] In a connection string, \_\_\_\_\_ represents name of the database.  
 [A] Initial Catalog                    [B] Catalog Database  
 [C] DataSource                        [D] Initial Database
- [9] DataSets are loaded from the database using the \_\_\_\_\_.  
 [A] Load method                        [B] Read method  
 [C] Fill method                         [D] None of the above
- [10] Sorting supports \_\_\_\_\_.  
 [A] Ascending order                    [B] Descending order  
 [C] Ascending and descending order    [D] None of the above

Q.2 Answer the following questions in short (Any 10):

20

- [1] Write a short note on MSIL?
- [2] Write a Short Note on JIT Compiler
- [3] What is a Constant?
- [4] Explain Show method of Windows Form.
- [5] Define Property and method.
- [6] What is the use of 'By Val' & 'By Ref' keyword?
- [7] Explain use of Timer.
- [8] Explain any four properties of RichTextBox.
- [9] Differentiate : label and linklabel.
- [10] List the namespace that is used to include .NET Data Provider for SQL server in .NET code.
- [11] What is connection string? Explain in brief.
- [12] Differentiate: DataSet and DataReader.

- Q.3 [A] What is VB.Net? Explain it's Features. 5  
 [B] Explain Tool box in detail. 5  
 OR
- Q.3 [C] Write a short note on Solution Explorer. 5  
 [D] Explain .NET Architecture. 5
- Q.4 [A] Explain declaration of function in detail with example. 5  
 [B] Explain While...Wend structure with example. 5  
 OR
- Q.4 [C] Explain subroutine in details with examples. 5  
 [D] Explain Form life cycle in detail. 5
- Q.5 [A] Explain HScrollbar & VScrollbar control with its property, method and event. 5  
 [B] Write down the steps to add menu on the form and explain at least five properties of it. 5  
 OR
- Q.5 [C] Explain CheckedListBox control with its property, method and event. 5  
 [D] Explain different types of error handling .Explain any one in detail. 5
- Q.6 [A] Explain possible values in the DataRowState. 5  
 [B] Describe the disconnected architecture of ADO.NET's data access model. 5  
 OR
- Q.6 What are the four common SQL commands used to retrieve and modify data in a SQL Database? Also explain each of them. 10

— X —  
 (2)