KERALA STATE RUTRONIX
System Engineering, VB &VB.NET
(DCA)

Time : 2 hours **Maximum Marks : 100**
Note: Write the answers for Questions from 1 to 30 in the MCQ answer sheet

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Part - I Choose the most appropriate answer **(10 x 1 Mark = 10 Marks)**

1) What is the code to close a form?
   a) Form.Exit() b) Form.Close() c) Me.Close() d) Me.Clear( )

2) What is the purpose of the Toolbox?
   a) To select controls with associated event procedures b) To select methods to be placed on the form
   c) To select controls and place on an application form d) To design user defined methods

3) Finding and fixing programming errors is called …………
   a) Debugging b) Recoding c) Fix-it's d) Tuning

4) If you want to display text which cannot be modified by the user, use the ………… control.
   a) Label b) TextBox c) Name d) Caption

5) Which of the following is NOT a Visual Basic Control?
   a) TextBox b) Label c) Form d) Algorithm

6) A TextBox control …………
   a) is used to describe other controls on the form c) can be used to display graphical images
   b) has the same function as a label control d) is typically used to input data

7) What is the code used to display the words "Visual Basic" in a label named lblTitle?
   a) titlel.abel.Name.Visual Basic b) "Visual Basic" = lblLabel.Text
   c) lblTitle.Text = "Visual Basic" d) lblTitle.Name = "Visual Basic"

8) What will the following section of code do?
```
Private Sub btnExit-Click
Me.Close()
End Sub
```
   a) Log off the current user b) Close the current form c) Nothing d) Shut down the computer

9) Testing a system in the actual environment using real data is called …………
   a) Beta Testing b) Alpha Testing c) Series Testing d) Stub Testing

10) ………… decisions follow a set of organization-formulated rules and regulations.
    a) Structured b) Semi Structured c) Unstructured d) None of these

Part - II Fill in the blanks **(10 x 1 Mark = 10 Marks)**

11) The null value can be checked using ………… function.

12) In VB.Net, the ………… statement always checks the condition before it begins the loop.

13) To save the current record to a database, ………… method is used.

14) By default, all VB graphic measurements are in …………

15) ………… control raises an event at regular intervals.

16) In VB.Net, the declaration statement for variables is the ………… statement.

17) Structured exception handling is …………

18) VB.NET comment starts with …………

19) Horizontal bar chart is sometimes called a ………… chart.

20) ………… is a formal document that summarizes findings and recommendations on the proposed system.

Part - III State whether true or false   **(10 x 1 Mark = 10 Marks)**

21) JIT stands for Justify In Time.

22) Common Language Runtime is the heart of .NET frame work.

23) Visual Basic is an Event Driven Programming Language.

24) In VB, we can declare variables Explicitly only,

25) Array is an indexed variable.

26) The combo box is a combination of list box and label box.

27) Parameters are also called Arguments.

28) Boolean is not a data type in VB.

29) Open system is one which interacts with its natural environment.

30) Probabilistic system is occurrence of events cannot be perfectly predicted.

Part - IV Give expansion for the following   **(10 x 1 Mark = 10 Marks)**

31) MDI	36) ODBC
32) OLE	37) API
33) COM	38) ADO
34) DLL	39) BCNF
35) DAO	40) RAD

Part - V Give the output of the following code segment   **(5 x 2 Marks = 10 Marks)**

41)
```
Dim i as Integer
For i = 65 to 70
If i mod 2 = 0 then
Print (i)
End if
Next i
```

42)
```
Dim Sum as Integer
Sum = 0
For i =1 to 5 Step 1
Sum = Sum + i
Next i
Print Sum
```

43)
```
Dim Str as String
Str = "Bachelor of computer application"
Str = mid (str, 6, 12)
Print (str)
```

44)
```
Dim TestString As String = "Rutronix"
Dim revString As String = StrReverse(TestString)
MsgBox(revString)
```

45)
```
Dim str1 As String = "Kerala State"
Dim str2 As String = UCase(str1)
MsgBox(str2)
```

Part - VI Answer the following (Any Six) (6 x 5 Marks = 30 Marks)

46) Explain Modules.

47) Explain any five string functions.

48) Write a VB/VB.NET program to print even numbers less than 20.

49) Explain System design objectives.

50) Explain system analysis.

51) With reference to the table given below, answer the following questions

BillNumber	Item	Price
1005	Flowers	250
1005	Vegetables	450
1006	Fruits	250
1007	Cakes	600

Write Queries

    a) To add one new record (assume suitable values).

    b) To delete the record with **BillNumber** = 1006.

    c) List all **BillNumber** having a **Price** of 250.

    d) Count the number of **item** in the table.

    e) To list **Item** in ascending order.

52) Name five Key events and five Mouse events in VB.NET.

53) Draw the diagram of Microsoft.Net Framework.

Part - VII Answer the following (Any Two) (2 x 10 Marks = 20 Marks)

54) Write a VB.NET application for input 3 numbers through text box and find biggest number using **IF**().

55) Describe the difference between **inner join** and **outer join** with suitable examples.

56) Explain types of systems.

57) Explain Management Information System.