



KERALA STATE RUTRONIX
VB & VB.NET
(PGDCA)

Question code

D2

Time: 2 hours

Maximum Marks: 100

Note: Write the answers for Questions from 1 to 20 in the MCQ answer sheet

Part - I Choose the most appropriate answer

(10 x 1 Mark = 10 Marks)

- 1) Event procedures are type of procedure.
a) Module b) Sub c) Method d) Function
- 2) Variables declared within a button's click-event are called variables.
a) Local b) Private c) Global d) Module-level
- 3) The first character in a string has an index of
a) 1 b) - 1 c) -2 d) 0
- 4) property is used to set the maximum length of a text, a textbox can hold.
a) Length b) Multiline c) Maxlength d) None of these
- 5) control is used to display text, but user cannot change it directly.
a) Textbox b) Labelbox c) Listbox d) None of these
- 6) The default data type for Visual Basic is
a) Integer b) Boolean c) Variant d) String
- 7) function is used to return a copy of a string without leading spaces and extra spaces between words.
a) Ltrim b) Rtrim c) Trim d) Chr
- 8) combines the features of the text box and list box.
a) Picture box b) Check box c) Combo box d) Option button
- 9) is used to join strings in VB.NET.
a) + b) & c) Both a and b d) None of these
- 10) Which of the following is NOT a logical operator?
a) If b) Or c) And d) Not

Part - II Fill in the blanks

(10 x 1 Mark = 10 Marks)

- 11) In VB.Net, the statement always checks the condition before it begins the loop.
- 12) In VB.Net, the declaration statement for variables is the statement.
- 13) VB.NET comment starts with
- 14) The event occurs before the form is displayed.
- 15) The function returns the number of characters in a parameter.
- 16) In VB, to add a new record to a record set, method is used.
- 17) At runtime, a control with it's property set to False will be hidden.
- 18) window lists all the forms which make up the VB project.
- 19) keyword refers to the current instance of an object.
- 20) operator has the highest order of precedence in arithmetic expressions.

Part - III Give expansion for the following

(10 x 1 Mark = 10 Marks)

- | | |
|----------|----------|
| 21) IDE | 26) MSDN |
| 22) COM | 27) ODBC |
| 23) JIT | 28) DML |
| 24) BCNF | 29) ADO |
| 25) RAD | 30) SOAP |

Part - IV Give the output of the following code segment

(5 x 2 Marks = 10 Marks)

- 31) `Dim i As Integer
For i = 0 To 10
If i = 3 Then
Exit For
End If
Print i
Next i`
- 32) `Dim num As Integer
num = 8
Do
Print num
num = num + 1
Loop While num < 10`
- 33) `Dim num As Integer, r As Integer, n As Integer
n = 10
r = n ^ 2
num = n + r / n
Print num`
- 34) `Dim a As Double, b As Double, c As Double
a = 12: b = 5
c = a / b
Print c`
- 35) `Dim x As Integer, num As Integer
num = 21
x = num Mod 10
Print x`

Part - V Answer the following (Any Eight)

(8 x 5 Marks = 40 Marks)

- 36) Operators in VB.net.
37) Draw the diagram of MicroSoft.Net Framework.
38) Differentiate between Class and Object.
39) Write down the syntax of **For....Next** loop and explain with an example to print even number less than 10.
40) Explain the need of Normalization.
41) Write a VB.NET application for input 3 numbers through text box and find biggest number using IF().
42) Explain Key Design Goals for .NET frame work.
43) Write a program to find the factorial of a number.
44) Explain any **five string functions**.
45) Explain any **five mouse events**.

Part - VI Answer the following (Any Two)

(2 x 10 Marks = 20 Marks)

- 46) Write the VB/VB.NET program to print the months when the number of month is entered through textbox (eg: 1=January) using switch case.
47) Explain core object of .NET frame work data provider.
48) Explain Decision structure with example.
49) Explain any five events.
50) Write the VB/VB.NET code to add new records to an existing table named '**EmpData**' in a Database named '**Employee**'.
The data to be inserted is obtained from a Form as shown in figure.

Add Record	
Roll Number	<input type="text"/>
Name	<input type="text"/>
Salary	<input type="text"/>
<input type="button" value="Add Record"/>	