



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

Question code

D7

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)function is used to return a copy of a string without leading spaces.
a) Ltrim b) Rtrim c) Trim d) Chr
- 7) combines the features of the text box and list box
a) Picture box b) Check box c) Combo box d) Option button
- 8) Which of the following testing certifies that the system is free of errors and is ready to be placed into operation?
Alpha testing b) Audit testing c) Stress testing d) None of these
- 9) is used to refer to a point where the cost of candidate system and that of the existing system are equal.
a) Breakeven point b) Pay back point c) Net benefit point d) Present value point
- 10) Cost that are known to exist but whose financial value cannot be measured accurately are called
a) Intangible cost b) Tangible cost c) Cost of operation d) None of these

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) Theevent occurs before the form is displayed.
- 15) Thefunction 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'sproperty set to False will be hidden.
- 18) window lists all the forms which make up the VB project.
- 19) control raises an event at regular intervals.
- 20) Top level management takes decisions

Part - III Give expansion for the following

(10 x 1 Mark = 10 Marks)

- | | |
|----------|----------|
| 21) IDE | 26) MSDN |
| 22) COM | 27) MIS |
| 23) SDLC | 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`

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Part - V Answer the following (Any Four)

(4 x 5 Marks = 20 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) Explain Key Design Goals for .NET frame work
- 42) Explain any five string functions.

Part - VI Answer the following (Any Two)

(2 x 5 Marks = 10 Marks)

- 43) Name three ways of Changeover in System Engineering.
- 44) Differentiate between structured and unstructured interview.
- 45) Explain File Access Modes.
- 46) Explain System Design Objectives.

Part - VII Answer the following (Any One)

(1 x 10 Marks = 10 Marks)

- 47) Briefly explain the Cost-Benefit evaluation methods.
- 48) Explain type of System Testing.
- 49) Explain Feasibility study.

Part - VIII Answer the following (Any Two)

(2 x 10 Marks = 20 Marks)

50) 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

51) Explain core object of .NET frame work data provider. Briefly explain the Cost-Benefit evaluation methods.

Write the VB/VB.NET code to add new records to an existing table named '**EmpData**' in a Database named '**Employees**'. 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"/>	

