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

Time : 2 hours   **Maximum Marks : 100**

Note: Write the answers for Questions from 1 to 40 in the MCQ answer sheet

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Part - I Choose the most appropriate answer   **(15 x 1 Mark = 15 Marks)**

1) IDE stands for …………..
   a) Internet Development Environment   b) Integrated Dual Environment
   c) Integrated Development Environment   d) Integrated Desktop Environment

2) Which window displays a list of all forms and modules making up your application?
   a) Project   b) Properties window   c) Form layout   d) All of these

3) Properties can be viewed in two ways, …………..
   a) Alphabetic and Categorized   b) Alphabetic and Numeric
   c) Numeric and Alphanumeric   d) None of these

4) The form module has file extension …………..
   a) .frb   b) .fra   c) .frm   d) .fru

5) ………….. control is used to provide an identifiable grouping for other controls.
   a) Frame   b) Label   c) List box   d) Command

6) ………….. 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

7) ………….. control is used to display text, but user cannot change it directly.
   a) Textbox   b) Labelbox   c) Listbox   d) Command

8) The default data type for Visual Basic is …………..
   a) Integer   b) Boolean   c) Variant   d) String

9) ………….. arrays can be resized at anytime.
   a) Dynamic   b) Fixed   c) Multidimensional   d) Control array

10) ………….. function is used to return a copy of a string without leading spaces.
    a) Ltrim   b) Rtrim   c) Trim   d) Chr

11) ………….. is a control related event.
    a) Keydown   b) Load   c) Terminate   d) GotFocus

12) ………….. combines the features of the text box and list box.
    a) Picture box   b) Check box   c) Combo box   d) Option button

13) Storage size of Byte data type is …………..
    a) 1 byte   b) 2 byte   c) 3 byte   d) None of these

14) The default property for a text box control is …………..
    a) Text   b) Password chars   c) Multiline   d) Visible

15) ………….. system is the one which interacts with its natural environment.
   a) Open   b) Deterministic   c) Closed   d) Probabilistic

Part - II Fill in the blanks   (15 x 1 Mark = 15 Marks)

16) Visual Basic maintains a project file with the extension …………..

17) ………….. control box indicates whether a particular condition is on or off.

18) ………….. is the process of finding and removing errors.

19) ………….. is the extension of a class module.

20) ………….. is a set of sequentially indexed elements having the same type of data.

21) ………….. displays the current drive and allows the user to select a different drive.

22) COM stands for …………..

23) The ………….. event occurs before the form is displayed.

24) To add an item to a list box at runtime, use the ………….. method.

25) The ………….. function returns the number of characters in a parameter.

26) The ………….. property of a text box is what is displayed at runtime.

27) To have a default value for a combo box, set the …………..

28) To display the number of items in a list box, use the ………….. property.

29) At runtime, a control with it's ………….. property set to False will be hidden.

30) Testing a system in the actual environment using real data is called …………..

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

31) Status bar control specifies current status of the form.

32) Visual Basic is Hyperlink programming language.

33) Picture box can act as a container for other controls

34) To insert a picture into a picture box we can use Load Picture Method.

35) A Text Box control has the same function as a label control.

36) Flowcharts and pseudo code are statements that describe the programs input and output.

37) The purpose of an algorithm is to define user interface.

38) Event procedures are also known as event keywords.

39) Finding and fixing programming errors is called debugging.

40) Beyond the Break Even Point, the Deterministic system provides greater benefits.

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

41)
```
Dim i As Integer
For i = 0 to 10
    If i = 3 Then
    Exit For
    End If
Print i
Next i
```

```
42) Dim num As Integer
    num = 8
    Do
        Print num
        num = num + 1
    Loop While num < 10

43) Dim num As Integer, r As Integer, n As Integer
        n = 10
        r = n ^ 2
        num = n + r / n
        Print num

44) Dim a As Double, b As Double, c As Double
        a = 12: b = 5
        c = a / b
        Print c

45) Dim rem As Integer, num As Integer
        num = 21
        rem = num Mod 10
        Print rem
```

(താഴെ കൊടുത്തിട്ടുള്ള ചോദ്യങ്ങൾക്ക് ഉത്തരങ്ങൾ മലയാളത്തിലും എഴുതാം)

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

46) Operators in VB.net.

47) Explain any five mouse events in VB.

48) Mention the rules for declaring variable names in VB.

49) Define DDL and DML.

50) Explain the need of Normalization.

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

52) Explain Key Design Goals for .NET frame work.

53) Briefly explain System Design objectives.

54) Write a program to find the factorial of a number.

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

55) Explain any five string functions.

56) Explain management information system.

57) Write the VB/VB.NET program to print the months when the number of month is entered through textbox (eg: January=1)

58) Explain core object of .NET frame work data provider.