

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
(For Candidates admitted during the academic year 2004-05 & thereafter)

SUBJECT CODE: DC/14/VB

P.G.D.C.S. EXAMINATION – NOVEMBER 2008
FIRST SEMESTER

PAPER : PRINCIPLES OF VISUAL PROGRAMMING
TIME : 1½ HOURS

MAX. MARKS: 50

SECTION – A
ANSWER ALL THE QUESTIONS

(10X1=10)

CHOOSE THE CORRECT ANSWER:

1. In an If statement, when the condition is true?
a) only the Else clause is executed b) only the ElseIf clause is executed
c) only the End If statement is executed d) only the Then clause is executed
2. A textbox is an example of which of the following?
a) Property b) Method c) Event d) Control
3. Image controls hold a graphic, which is assigned to the?
a) image property b) text property
c) picture property d) caption property
4. Which one of the following is the correct syntax to make a control called Pic1 visible?
a) Pic1.Visible = True b) Visible.Pic1 = True
c) Pic1.Invisible = False d) Pic1.Enabled = True
5. A memory location that changes during project execution is known as a?
a) Dimension b) Constant c) Static d) Variable

FILL IN THE BLANKS:

6. _____ function is used to check if data entered is in a numeric form before further processing.
7. The use of the _____ keyword in VB denotes a comment or a line of documentation.
8. The result of Val(Text1.Text) if you enter 34.567m is _____
9. The maximum caption size for a label is _____ characters.
10. _____ is a program construct used for selection in VB.

SECTION – B

(5X2=10)

ANSWER ALL QUESTIONS:

11. What is a control array?
12. List any three string handling functions in VB.
13. List the differences between an Image and a Picture control.

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14. What is the difference between a label and a text box?
15. What will be the output of the following lines of code?

```
Dim I as Integer
For I = 1 to 10 step 2
    MsgBox "Value of I is" & I
Next I
```

SECTION – C

(6X5=30)

ANSWER ANY SIX QUESTIONS:

16. Write an event procedure to find the sum of the squares of "n" natural numbers. Design proper layout for front-end interface to get 'n' as input and a button to start calculation.
17. Explain atleast five properties of a form.
18. Explain the difference between a Multiple Document Interface (MDI) application and a Single Document Interface (SDI) application with the help of an example.
19. What is an ActiveX control? Explain how it is used in Visual Basic.
20. Explain the working of any two looping structures with examples.
21. Explain how menus can be added to a VB program.

22. Private Sub cmdValidate_Click()

```
Dim intUserInput As Integer
Dim X as Currency
```

```
intUserInput = Cint(TxtNum1.Text)
X = 40
```

```
If intUserInput > X Then
    Print "True"
    txtNum1.Text = intUserInput & " > " & X
ElseIf intUserInput = X Then
    Print "True"
    txtNum1.Text = intUserInput & " = " & X
Else
    Print "False"
    TxtNum1.Text = intUserInput & " < " & X
End If
```

```
End Sub
```

Enter the Number

Validate Number

In the code given above.

- a) What is the output if the user enters 30 in the text box?
 - b) What will happen when the user does not enter any value and clicks the 'Validate Number' button?
23. Explain about the Databound Controls.
