BCA/D-17   **1255**

PROGRAMMING USING VISUAL BASIC
BCA-355

Time : Three Hours]   [Maximum Marks : 80

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. Q. No. **1** is compulsory. All questions carry equal marks.

Compulsory Question

1. Answer the following questions in short :
    (a) List the various controls used in VB ?   **2**
    (b) What is a Combo Box ?   **2**
    (c) Define Message box in VB.   **2**
    (d) Explain use defined data type.   **2**
    (e) What is select case statement ?   **2**
    (f) What is the use of Exit statement ?   **2**
    (g) What do you mean by named arguments ?   **2**
    (h) Explain passing mechanism in VB.   **2**

Unit I

2. What is IDE ? Discuss the following components of IDE :
    (a) Toolbar
    (b) Project Explorer
    (c) Form Designer
    (d) Immediate Window.   **16**

3. What is User Interface ? And how we can design user interface. Explain with suitable example. **16**

Unit II

4. (a) What is a variable and also discuss variable constructing rules in detail. **8**

   (b) Explain the following :
   Variant type, Object data, Boolean data. **8**

5. Define various types of operators in VB with examples. **16**

Unit III

6. (a) Explain control structure of VB. **8**

   (b) Differentiate between if-then-else and case structure. **8**

7. (a) How will you declare a two-dimensional array in VB ? Explain with suitable example. **8**

   (b) Differentiate between do loop and while wend loop. **8**

Unit IV

8. (a) What is a function and how does it differ from procedure ? **8**

   (b) Discuss the procedure of creating menu in VB. **8**

9. Design user interface for the following problem and write the code :

Take two textboxes, labels and command buttons give proper caption, textboxes should take the values of length and width by clicking on command button. Display the area of rectangle in label where (area = length * width).

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