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BCA / D-18

PROGRAMMING USING VISUAL BASIC

Paper-BCA-355

Time allowed : 3 hours] *[Maximum marks : 80*

Note : *Attempt **five** questions in all, selecting at least **one** question from each unit. **Question no 1 is compulsory.** All questions carry equal marks.*

Compulsory Question

1. Attempt the following questions in short :

(a) What is GUI ? 2

(b) What is a Frame ? 2

(c) Define variables in VB. 2

(d) Explain Print Statement. 2

(e) Explain For Next Loop in VB. 2

(f) Differentiate between static and dynamic array. 2

(g) Explain Subroutines. 2

(h) Explain optional arguments in VB. 2

Unit-I

2. (a) Discuss the following elements of user interface : 8

(i) Text box

(ii) Label

(iii) Command Button

(iv) Scroll Bar

(v) Picture Box

(b) Explain Message Box statement in detail with example. 8

3. (a) Explain Font Color and Color dialog box in detail. 6

(b) Give the comparison between List-box and Combo-box. 6

(c) Explain user defined Data-type in VB. 4

Unit-II

4. (a) Define variables in VB and also explain scope and lifetime of variables. 8

(b) List all operators in VB. 8

5. Explain various controls for I/O in VB with example. 16

Unit-III

6. Write the code segment using if then else to assign status to a variable result on the basis of the following condition. 16

Condition	Status
Marks greater or equal to 90	Excellent
Marks greater than or equal to 75 and less than 90	Very good
Marks greater than or equal to 50 and less than 75	Pass
Marks less than 50	Fail

7. (a) What do you mean by array ? Write a code in VB to find sum of numbers from 1 to 10. 8

(b) What is array of arrays ? 8

Unit-IV

8. (a) Write a program to generate a series of prime no. 8

(b) Explain the arguments passing by reference or by values. 8

9. (a) What is a function ? How it is different from procedures ? 8

(b) Explain sorting in VB with example. 8

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