

BCA/D-16
PROGRAMMING USING VISUAL BASIC

PAPER-BCA-355

Time Allowed: 3 Hours

Maximum Marks: 80

Note: Attempt five questions in all. Question No. 1 is compulsory.

Compulsory Question

1. (a) What is the significance of visual language and what is the reason to say VB as visual language?
(b) Explain various types of variables in visual basic with examples.
(c) Differentiate between static and dynamic arrays in Visual Basic.
(d) Discuss the concept of general and event procedures in Visual Basic.

Unit-I

2. Explain the concept of procedural, object-oriented, object-based and event-driven programming languages along with examples of each of them. How do they differ from each other?
3. What is VB Environment? Explain its various components in detail with examples.

Unit-II

4. How do we carry out input and output in Visual Basic? Explain the various controls for input and output with examples.
5. Discuss the following with examples in Visual Basic :
 - (a) Named and Intrinsic Constants
 - (b) Scope and Lifetime of Variables.

Unit-III

6. Explain various decision control statements in Visual Basic. Write their syntax and give examples.. Write a program in visual basic to design calculator for basic operations of addition, subtraction, multiplication and division.
7. Discuss the following and give examples in Visual Basic :
 - (a) One-dimensional. Two-dimensional and Multidimensional arrays.
 - (b) Do-loop and for-next statements.

Unit-IV

8. Discuss the following in Visual Basic with examples :
 - (a) Arguments passing Mechanisms
 - (b) Functions Returning Custom Data Types.
9. Write programs in Visual Basic for :
 - (a) Searching
 - (b) Sorting