5216

B.A./B.Sc. EXAMINATION

(Fourth Semester)

COMPUTER SCIENCE

Paper–V

Programming in Visual Basic

Time : Three Hours   *Maximum Marks :* $\begin{cases} \text{B.Sc.} : 30 \\ \text{B.A.} : 20 \end{cases}$

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

(Compulsory Question)

1. Explain the following : 6(4)

    (a) Explain different ways to write comments in VB.

P.T.O.

(b) What is Looping statement ?

(c) What is the difference between Static Array and Dynamic Array ?

(d) Differentiate condition controlled loop and counter controlled loop.

(e) Explain Named Arguments.

(f) What is Array of Arrays ?

Unit I

2. Explain Integrated Development Environment (IDE) of Visual Basic in brief.   6(4)

3. Differentiate the following :

   (a) Visual and Non-visual programming 3(2)

   (b) Procedural and Event-driven programming.   3(2)

Unit II

4. Explain the following :   6(4)

   (a) Message Box

(b) Input Box

(c) Print statement

(d) Scope of variables.

5. Explain various Data types used in Visual Basic. Give example for each.   6(4)

Unit III

6. Explain various conditional statements used in VB with suitable examples.   6(4)

7. (a) Write a program in VB to find the largest number in one-dimensional array.   3(2)

    (b) Differentiate between For Next_loop and For each_Next loop statements. Give example to justify your answer.   3(2)

Unit IV

8. (a) Explain the concept of Call by Value and Call by Reference. Give example for each.   3(2)

(b) Write a program to find the largest number in an array using the concept of passing an array to a function. 3(2)

9. Write short notes on the following : 6(4)

(a) Subroutine and Function

(b) Named Arguments

(c) Load and Show Forms

(d) Hiding and Unload Forms.