

**Master in Computer Application (MCA) Third Year Semester-I Examination**  
**VB. NET**  
**Paper—5**  
**Elective-II**

Time : Three Hours]

[Maximum Marks : 80

- Note :—** (1) All questions are compulsory and carry equal marks.  
 (2) Draw well labelled diagram wherever necessary.

**EITHER**

1. (A) Explain features of VB.NET as a programming language. 8  
 (B) Explain any four object oriented concepts in VB.NET. 8

**OR**

- (C) Differentiate between C# and VB.NET. 8  
 (D) Describe the structure of .NET framework with suitable diagram. 8

**EITHER**

2. (A) Explain nested “if” and “while” statement. Explain “break” and “continue” with example. 8  
 (B) Explain different types of operators used in VB.NET. 8

**OR**

- (C) Explain different datatypes available in VB.NET with example. 8  
 (D) Write a program in VB.NET to print the sum of first ten even numbers by using FOR-NEXT statement. 8

**EITHER**

3. (A) Explain procedure overloading with its syntax and example. 8  
 (B) Write a program in VB.NET to declare and print 2 dimensional array. 8

**OR**

- (C) Write a program in VB.NET for passing arguments by Val and by Ref. 8  
 (D) What is an array ? How to resize an array ? Write a program to sort an array. 8

**EITHER**

4. (A) Write a short note on :  
 (i) Helper forms  
 (ii) Owned forms. 8  
 (B) What are the events and event handlers ? Explain with example. 8

**OR**

- (C) Write a procedure to create toolbar in VB.NET. 8  
 (D) What is menu ? Write a procedure to create menu in VB.NET. 8

**EITHER**

5. (A) What are different types of errors ? What is break mode ? Explain. 8  
 (B) Explain controlling the flow during debugging. 8

**OR**

- (C) Explain Try.....Catch.....Finally statements in detail. 8  
 (D) Differentiate between structured and unstructured exception handling. 8