NAME:

Multiple Choice (2 each):

1. Visual Basic automatically adds this to a list box when it contains more items than can be displayed:
   a. Larger list box
   b. Scroll bar
   c. Second box
   d. Message box

2. What kind of loop uses a counter variable to perform the loop a specific number of times?
   a. Do Until
   b. For . . . Next
   c. Do While
   d. If . . . Then

3. You do this to get the total number of iterations of a nested loop:
   a. Add the number of iterations of all the loops
   b. Multiply the number of iterations of all the loops
   c. Average the number of iterations of all the loops
   d. Get the number of iterations of the outermost loop

4. What kind of loop uses a counter variable to perform the loop a specific number of times?
   a. Do Until
   b. For . . . Next
   c. Do While
   d. If . . . Then

5. What is the process of making user input is valid?
   a. Syntax validation
   b. User validation
   c. Input validation
   d. Inspection validation
6. What control is used to gather input without placing a text box on a form?
   a. Input Box
   b. Variable
   c. Check Box
   d. MessageBox

7. What are some GUI elements?
   a. Objects, actions, code, and performance
   b. Windows, actions, menus, and hardware
   c. Windows, dialog boxes, buttons, and menus
   d. Mice, cables, keyboards, and disks.

8. What returns a value to the part of the program that called it?
   a. Call
   b. Procedure
   c. Function
   d. Declaration

9. The CPU only processes instructions written in:
   a. Machine language
   b. Visual Basic
   c. Microsoft Word
   d. C++

10. A Try … Catch statement is useful for handling:
    a. Syntax errors
    b. Logical errors
    c. Runtime errors
    d. Hardware errors

11. Which of the following describes the part of a program in which a variable may be used:
    a. Segment
    b. Lifetime
    c. Scope
    d. Module

12. What type of statement causes a procedure to execute?
    a. Procedure declaration
    b. Access specifier
    c. Procedure call
    d. Step into
**True/False (2 each):**

1. A variable is a name that represents a storage location in the computer’s memory. **True**  **False**

2. A loop’s conditionally executed statements should be indented. **True**  **False**

3. Infinite loops keep executing until the program is interrupted. **True**  **False**

4. What is the value of the following relational expression “ABC123” = “abc123”. **True**  **False**

5. A pretest loop always performs at least one iteration, even if the test expression is false at the start. **True**  **False**

6. To create a checked list box, you first create a list box and then set its Checked property to True. **True**  **False**

7. The Index property holds the index of the selected item in a list box. **True**  **False**

8. You can assign a constant a new value with an assignment statement. **True**  **False**

9. A Boolean property has only two possible values. **True**  **False**

10. You can pass more than one argument to a procedure or function. **True**  **False**
Short Answer (2 each):

1. An application contains the function `Square` (given below). Write a statement that passes value 4 to this function and assigns its return value to a variable called `intResult`. Assume `intResult` is already declared.

   ```vbnet
   Function Square(ByVal intValue As Integer) As Integer
       Return intValue ^ 2
   End Function
   ```

2. Write a statement that adds *Spinach* to the list box `lstVeggies` at index 2.

3. Write an If statement that multiplies `decPayRate` by 1.5 when `decHours` is greater than 40.