

**Midterm Examination 3**  
**CSCE 204 – Spring 2009**  
**Thursday, April 16**  
**Time: 9:30-10:20**

**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. Message Box
  
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.

```
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.