Final Exam - TIA Chapters 9 thru 13 and Visual Basic Chapters 4 & 5

Due Dec 18 at 11:59pm   **Points** 200   **Questions** 84

Available Dec 13 at 8am - Dec 20 at 11:59pm 8 days   **Time Limit** 120 Minutes

Allowed Attempts 2

Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	**Attempt 1**	120 minutes	187 out of 200

⚠ Answers will be shown after your last attempt

Score for this attempt: **187** out of 200

Submitted Dec 15 at 8:03pm

This attempt took 120 minutes.

Question 1	**2 / 2 pts**

A macro virus is a virus that is attached to a file such as a Word document or Excel workbook.

- ◉ True

- ○ False

Question 2	**2 / 2 pts**

Creating and spreading online viruses is a cybercrime.

   ◉   True

   ○   False

Question 3   2 / 2 pts

To create a secure password, you should use a mixture of uppercase letters, lowercase letters, numbers, and symbols.

   ◉   True

   ○   False

Question 4   2 / 2 pts

A virus signature is a portion of virus code that is unique to a particular computer virus.

   ◉   True

   ○   False

Question 5   2 / 2 pts

A time bomb virus can be triggered on a certain date.

○ ● True

○ False

Question 6   **2 / 2 pts**

The standard set of vocabulary for pseudocode is specific and detailed.

○ True

○ ● False

Question 7   **2 / 2 pts**

Syntax errors are caught only when a program executes.

○ True

○ ● False

Question 8   **2 / 2 pts**

When programmers need to create several different examples of a class, each is known as an object.

○ ● True

○ False

Question 9   2 / 2 pts

Bottom-up design is a systematic approach in which a problem is broken into a series of high-level tasks.

○ True

◉ False

Question 10   2 / 2 pts

During the program debugging stage, the people who will use the program test the software.

○ True

◉ False

Question 11   2 / 2 pts

Data redundancy ensures that the data contained in the database is accurate and reliable.

○ True

◉ False

Question 12
2 / 2 pts

Most databases can import electronic data from other software applications.

◉ True

◯ False

Question 13
2 / 2 pts

A summary report generated by a MIS provides a list of the transactions that occurred during a specified time period.

◯ True

◉ False

Question 14
2 / 2 pts

Real-time processing means that transactions are updated when they occur.

◉ True

◯ False

Question 15   2 / 2 pts

A filter is limited to extracting data from a single table.

○ True

○ False

Incorrect

Question 16   0 / 2 pts

Wireless access points can provide coverage wherever employees are working with portable devices, such as in conference rooms.

○ True

○ False

Incorrect

Question 17   0 / 2 pts

Since data transmissions can pass through fiber-optic cable in only one direction, at least two fibers are required to enable transmission of data in both directions.

○ True

○ False

Question 18   2 / 2 pts

A bridge sends information between two networks.

○ True

◉ False

Question 19   2 / 2 pts

P2P networks are very difficult to administer when they have large numbers of users.

◉ True

○ False

Question 20   2 / 2 pts

An international company like Microsoft would use a MAN to connect all of its computers.

○ True

◉ False

Question 21   2 / 2 pts

Java and JavaScript refer to the same language.

○ True

⦿ False

Question 22   2 / 2 pts

File Transfer Protocol (FTP) is used to transmit e-mail messages across the Internet.

○ True

⦿ False

Question 23   2 / 2 pts

Node.js is used to create server-side programs.

○ True

⦿ False

Question 24   2 / 2 pts

An applet is a small application that resides on a server but is downloaded to, and run on, the client computer.

⦿ True

○ False

Question 25

2 / 2 pts

Dynamic IP addressing is accomplished using a DHCP server.

◉ True

○ False

Question 26

2 / 2 pts

Facebook Connect is one the most popular instant messaging services.

○ True

◉ False

Question 27

2 / 2 pts

All of the following activities may infect your computer with a virus EXCEPT _____.

○ downloading video files from peer-to-peer sites

○ sharing flash drives

◉ printing a document

○ downloading or running an e-mail attachment file

Question 28   2 / 2 pts

All of the following are top cybercrimes reported to the IC3 EXCEPT
_____.

○ non-auction scam

○ advance fee fraud

○ identity theft

◉ malware fraud

Question 29   2 / 2 pts

Which of the following is formally defined as any criminal action
perpetrated primarily through the use of a computer?

◉ Cybercrime

○ Hacking

○ Social networking

○ Phishing

Question 30   2 / 2 pts

Viruses, adware and spyware are referred to collectively as _____.

○ bloatware

○ firmware

○ alertware

◉ grayware

Question 31   2 / 2 pts

In computing, a _____ is named after a housing construction feature that slows the spread of fires from house to house.

◉ firewall

○ fire extinguisher

○ firebreak

○ firehouse

Question 32   2 / 2 pts

_____ is the set of instructions that programmers have written in a higher-level language.

○ Base code

○ Executable code

○ Compiled code

◉ Source code

Question 33　　　　　　　　　　　　　　　　2 / 2 pts

In object-oriented programming, _____ allows a new class to automatically use all the data and methods of an existing class.

◉ inheritance

○ regression

○ scalability

○ reusability

Question 34　　　　　　　　　　　　　　　　2 / 2 pts

Which statement does NOT describe fifth-generation languages?

○ The system of facts can be queried.

◉
They use a set of short, English-based commands (such as ADD) that speak directly to the CPU.

○ They are the most "natural" of languages.

○ Problems are presented as a series of facts or constraints rather than as a specific algorithm.

Question 35   2 / 2 pts

Which refers to a text-based approach to documenting an algorithm?

○ Syntax

◉ Pseudocode

○ Data types

○ Keywords

Question 36   2 / 2 pts

Which of the following is the final stage of the program development life cycle (PDLC)?

○ Making a Plan

○ Debugging

○ Coding

◉ Testing and Documentation

Question 37   2 / 2 pts

A _____ check compares the values of data in two or more fields to see whether those values are reasonable.

- ◉ consistency
- ○ correctness
- ○ numeric
- ○ range

Question 38   2 / 2 pts

A _____ check would be used in a field to restrict the fines for speeding violations so that they fall between $50 and $250.

- ○ consistency
- ○ numeric
- ◉ range
- ○ completeness

Question 39   2 / 2 pts

A _____ relationship indicates that for each record in a table, there is only a single corresponding record in a related table.

○ many-to-one

○ one-to-many

○ many-to-many

◉ one-to-one

Question 40   2 / 2 pts

_____ databases are the most commonly used electronic databases.

○ Object-oriented

○ Flat-file

○ Multidimensional

◉ Relational

Question 41   2 / 2 pts

Data staging consists of all of the following steps, EXCEPT _____.

◉ mining the data

○ storing the data in a warehouse

○ extracting the data

○ transforming the data

Question 42   2 / 2 pts

A(n) _____ server tracks who is logging on to the network as well as which services on the network are available to each user.

- ○ dedicated

- ○ file

- ○ application

- ◉ authentication

Question 43   2 / 2 pts

In a _____ network, data collisions can occur fairly easily because the network is essentially composed of a single cable.

- ◉ bus

- ○ star

- ○ cluster

- ○ hierarchical

Question 44   2 / 2 pts

_____ cable is NOT subject to electromagnetic interference or radio frequency interference.

○ Coaxial

○ Polycarbonate

○ Twisted-pair

◉ Fiber-optic

Question 45   2 / 2 pts

Ring networks use the _____ method to avoid data collisions.

○ passive-check

○ active-check

○ packet screening

◉ token

Question 46   2 / 2 pts

For business networks, which of the following is NOT one of the main cable types?

○ Fiber-optic

○ Twisted-pair

○ Coaxial

◉ Polyvinyl

Question 47   2 / 2 pts

In a _____ network, each node connected to the network
communicates directly with every other node.

○ bridge

○ client/server

○ router

◉ peer-to-peer

Question 48   2 / 2 pts

To boldface text in HTML, you would enclose your text in _____.

◉ and

○ *b* and */b*

○ HTM.bold.on and HTM.bold.off

○ /b and b

Question 49   2 / 2 pts

_____ permits two or more people to communicate over the Internet in real time.

○ E-mail

◉ Instant messaging

○ Snapfish

○ Flickr

Question 50   2 / 2 pts

A(n) _____ address is a unique number that identifies a computer, server, or device connected to the Internet.

◉ IP

○ NetBIOS

○ SMTP

○ TCP

Question 51   2 / 2 pts

Strong encryption now requires _____-bit keys.

○ 128

○ 512

⦿ 256

○ 40

Question 52   2 / 2 pts

Individual Internet users connect to ISPs through a(n) _____.

○ optical carrier (OC) line

○ T line

⦿ point of presence (POP)

○ User Datagram Protocol (UDP)

Question 53   3 / 3 pts

What value is assigned to the String variable `strSecond` when the following code is executes?

```
Dim strFirst As String
Dim strSecond As String
strFirst = "1 2 Button My Shoe"
strSecond = strFirstName.ToUpper()
```

○ "12BUTTONMYSHOE"

○ "1 2 bUTTON mY sHOE"

○ " BUTTON MY SHOE"

○ "1 2 BUTTON MY SHOE"

Question 54   3 / 3 pts

What value is assigned to `decTaxes` by the following program segment,
assuming that the user enters 30000 into the textbox `txtSalary.Text`?

```
Dim decSalary, decTaxes As Decimal
decSalary = CDec(txtSalary.Text)
If (decSalary > 50000) Then
  decTaxes = .40 * decSalary
ElseIf (sngSalary > 40000) Then
  decTaxes = .30 * decSalary
ElseIf (sngSalary > 30000) Then
  decTaxes = .20 * decSalary
Else
  decTaxes = .10 * decSalary
End If
```

○ 12000

○ 6000

○ 9000

◉ 3000

Question 55   3 / 3 pts

Which statement tests the value of an expression once and then uses that
value to determine the result?

○ `If...Then...ElseIf`

○ `If...Then`

○ Nested `If`

◉ `Select Case`

Question 56   3 / 3 pts

If the Boolean expression `A` is *True* and `B` is *False*, the value of the logical expression `A Or B` is _____.

◉ True

○ False

○ 1

○ 0

Question 57   3 / 3 pts

A flag is a _____ variable that signals when some condition exists in the program.

○ standard

◉ Boolean

○ class-level

○ local

Question 58   3 / 3 pts

The expression `IsNumeric(13.75)` returns the value _____.

○ 14

◉ True

○ 1375

○ 13.75

Question 59   3 / 3 pts

What value is assigned to the variable `strSnip` when the following
statements execute?

```
Dim strSnip As String
Dim strFullString As String = "Washington"
strSnip = strFullString.Substring(7)
```

○ "Was"

◉ "ton"

○ "ash"

○ "Washing"

Question 60   3 / 3 pts

What value is assigned to `decTaxes` by the following program segment, assuming that the user enters 50000 into the textbox `txtSalary.Text`?

```
Dim decSalary, decTaxes As Decimal
decSalary = CDec (txtSalary.Text)
If (decSalary > 50000) Then
  decTaxes = .40 * decSalary
ElseIf (decSalary > 40000) Then
  decTaxes = .30 * decSalary
ElseIf (decSalary > 30000) Then
  decTaxes = .20 * decSalary
Else
  decTaxes = .10 * decSalary
End If
```

○ 20000

◉ 15000

○ 5000

○ 10000

Question 61   3 / 3 pts

Because only one radio button in a group can be selected at any given time, they are said to be _____.

○ dependent

○ selectively unique

○ interdependent

⦿ mutually exclusive

Question 62   3 / 3 pts

What value is assigned to the variable `strSnip` when the following statements execute?

```
 Dim strSnip As String
Dim strFullString As String = "Washington"
  strSnip = strFullString.Substring(1, 3)
```

⦿ "ash"

○ "Was"

○ "h"

○ "ton"

Question 63   3 / 3 pts

What value will be assigned to `decCommission` after the following code executes?

```
  Dim decMonthlySales, decCommRate, decCommission as
Decimal
  decMonthlySales = 6500.00
  Select Case decMonthlySales
    Case Is < 1000
        decCommRate = 0.05
    Case 1000 to 9999.99
```

```
        decCommRate = 0.10
   Case Is >= 10000
        decCommRate = 0.15
  End Select
  decCommission = decCommRate * decMonthlySales
```

○ 325.00

○ 0.00

○ 925.00

◉ 650.00

Incorrect

Question 64

0 / 3 pts

Which change would correct the syntax error in the following code?

```
1: If intScore < 80 Then
2:    strGrade = "C"
3: Else intScore > 80 Then
4:    strGrade = "A"
5: End If
```

○ 3: ElseIf intScore > 80 Then

○ 1: If(intScore < 80) Then

○ 2: Set strGrade = "C"

◉ none of the above correct the syntax error

Question 65

3 / 3 pts

What is assigned to `lblMessage.Text` when the following code segment executes?

```
 Dim strName1 As String = "Jim"
Dim strName2 As String = "John"
  If strName1 > strName2 Then
   lblMessage.Text = "Jim is greater"
Else
   lblMessage.Text = "John is greater"
End If
```

○ Jim is greater

○ False

○ True

◉ John is greater

Question 66

3 / 3 pts

What value will be assigned to `strGrade` when `intScore` equals 90?

```
If intScore > 60 Then
 strGrade = "D"
End If
If intScore > 70 Then
 strGrade = "C"
End If
If intScore > 80 Then
 strGrade = "B"
End If
If intScore > 90 Then
 strGrade = "A"
End If
```

○ A

◉ B

○ C

○ D

Question 67   3 / 3 pts

Which statement copies a string from a text box named `txtLastName`, converts the string to lowercase and saves the string in `strLastName`?

○ `strLastName = ToLower(txtLastName.Text)`

○ `strLastName = txtLastName`

○ `txtLastName.Text = strLastName(ToLower)`

◉ `strLastName = txtLastName.Text.ToLower()`

Question 68   3 / 3 pts

If a form contains two radio buttons (`rad1` & `rad2`) and two check boxes (`chk1` & `chk2`) and all four of these controls reside in the same group box, which of the following expressions can **never** be true?

○ `rad2.Checked=True and chk1.Checked=True`

◉ `rad1.Checked=True and rad2.Checked=True`

○ `chk1.Checked=True and chk2.Checked=True`

○ `rad1.Checked=True and chk2.Checked=True`

Question 69   3 / 3 pts

Which type of loop repeats as long as its loop condition remains *True*?

⦿ `Do While`

○ `Do Next`

○ `Do Until`

○ all of the above

Incorrect

Question 70   0 / 3 pts

Which of the following sections of code will calculate the monthly payment for a $150,000 house with a 30 year mortgage at an annual rate of 5.5%, and assign the result to `dblMPay`?

○
```
Dim dblAIntRate as Double = 5.5
Dim dblLoanAmt as Double = 150000
Dim intYears as Integer = 30
Dim dblMPay as Double
dblMPay = Pmt(dblAIntRate, intYears * 12, -dblLoanAmt)
```

```
        Dim dblAIntRate as Double = 5.5
        Dim dblLoanAmt as Double = 150000
        Dim intYears as Integer = 30
        Dim dblMPay as Double
○  dblMPay = Pmt(dblAIntRate, intYears, -dblLoanAmt)
```

```
○
Dim dblAIntRate as Double = 5.5
Dim dblLoanAmt as Double = 150000
Dim intYears as Integer = 30
Dim dblMPay as Double
dblMPay = Pmt(dblAIntRate / 12, intYears * 12, -
dblLoanAmt)
```

```
◉
Dim dblAIntRate as Double = 5.5
Dim dblLoanAmt as Double = 150000
Dim intYears as Integer = 30
Dim dblMPay as Double
dblMPay = Pmt(dblAIntRate / 12, intYears, -dblLoanAmt)
```

Question 71   3 / 3 pts

The entries in a ListBox are stored in the _____ property.

○ Items.Count

○ Text

○ Entries

◉ Items

Question 72   3 / 3 pts

What will be the final value of intCount?

```
Dim intCount As Integer = 3
Do
intCount += 6
Loop While intCount < 20
```

○ 15

○ 20

○ 9

◉ 21

Question 73   3 / 3 pts

The first item in a ListBox has an index of _____.

◉ 0

○ -1

○ 1

○ Items.Count

Question 74   3 / 3 pts

What is the difference in execution between the two following sections of
code?

```
'Example 1
intCounter = 0
```

```
Do While intCounter < 10
    lstOutput.Items.Add(intCounter * intCounter)
    intCounter = intCounter + 1
Loop

'Example 2
For intCounter = 0 to 9
    lstOutput.Items.Add(intCounter * intCounter)
Next intCounter
```

○ The loop in the first example will execute one more time than the second example.

◉ Both loops are executed in an identical manner.

○ The first example is an infinite loop.

○ The loop in the first example will never be executed.

Question 75   3 / 3 pts

Setting this property to True will put the items in a ListBox in alphabetical order.

○ Ordered

○ Reorder

○ Alphabetic

◉ Sorted

Question 76   3 / 3 pts

Which standard Visual Basic function returns the periodic payment amount for a loan?

○ LPmt

○ PPmt

○ IPmt

◉ Pmt

Question 77   3 / 3 pts

The _____ method can be used to place a new item at any position in a ListBox.

○ Items.Append

◉ Items.Insert

○ Items.New

○ Items.Add

Question 78   3 / 3 pts

Which of the following statements will assign a random number between 1 and 50 inclusive to `intNum`?

○ `intNum = rand.Next()`

○ `intNum = rand.Next(1, 50)`

○ `intNum = rand.Next(50)`

◉ `intNum = rand.Next(50) + 1`

Question 79   3 / 3 pts

The `SelectedItem` property of a ListBox _____.

○ returns the location of the currently selected item

○ returns -1 if no item is selected

◉ contains the text of the currently selected item

○ contains the index of the currently selected item

Incorrect

Question 80   0 / 3 pts

What is the difference in the execution of the `Do Until Loop` (first example) and the `Do Loop Until` (second example)?

```
' First Example
sngPayAmount = 200
Do Until sngPayAmount > 150
   sngPayAmount = sngPayAmount — 50
Loop

'Second Example
```

```
sngPayAmount = 200
Do
  sngPayAmount = sngPayAmount — 50
Loop Until sngPayAmount > 150
```

○

The first loop will never be executed while the second is an infinite loop.

○ Both loops are executed in an identical manner.

○ The first loop will execute one more time than the second loop.

◉

The first loop will never be executed while the second loop will execute once.

Question 81   3 / 3 pts

Which statement about the `ListBox.Items.Add` method is true?

○ It always inserts the item at the beginning of the list.

○ It finds the sum of all of the items in the list.

○ It can be used to insert an item anywhere in the list.

◉ It always appends the added item to the end of the list.

Question 82   3 / 3 pts

Which code example will calculate the number of checked items in a CheckedListBox named `clbMovieNames` and store the number in

`intCheckedMovies`?

○
```
Dim intIndex As Integer
Dim intCheckedMovies As Integer = 0
For intIndex= 1 To clbMovieNames.Items.Count
    If clbMovieNames.GetItemChecked(intIndex) = True
Then
        intCheckedMovies += 1
    End If
Next
```

◉
```
Dim intIndex As Integer
Dim intCheckedMovies As Integer = 0
For intIndex = 0 To clbMovieNames.Items.Count — 1
    If clbMovieNames.GetItemChecked(intIndex) = True
Then
        intCheckedMovies += 1
    End If
Next
```

○
```
Dim intIndex As Integer
Dim intCheckedMovies As Integer = 0
For intIndex = 0 To clbMovieNames.Items.Count — 1
    If clbMovieNames.GetItemChecked(intIndex) = True
Then
        lstChecked.Items.Add(clbCities.Items(intIndex))
    End If
Next
```

```
    Dim intCheckedMovies As Integer = 0
○  intCheckedMovies = clbMovieNames.Items.Count — 1
```

Question 83   **3 / 3 pts**

Which of the following statements correctly displays an input box?

○
```
strUserInput = InputBox("Enter your First Name", "Enter
Name")
```

○
```
strUserInput = Input("Enter your First Name", "Name")
```

○
```
strUserInput = Input("Enter your First Name")
```

○
```
strUserInput = InputBox(Enter your First Name, Enter
Name)
```

Question 84   **3 / 3 pts**

This method erases all the items in a ListBox.

○ `Items.Erase`

○ `Items.Remove`

◉ `Items.Clear`

○ `Items.Delete`

Quiz Score: **187** out of 200