**Chapter 4 Review Questions**

1. Which of the following compound conditions determines whether the value in the

intOrdered variable is *outside* the range of 0 through 25?

a. intOrdered < 0 OrElse intOrdered > 25

2. Which of the following If clauses compares the string contained in the txtId control

with the abbreviation for the state of Georgia?

a. If ToUpper(txtId.Text.Trim) = "GA" Then

b. If txtId.Text.Trim.ToUpper = "GA" Then

c. If txtId.Text.ToLower.Trim = "ga" Then

d. Both b and c.

3. Evaluate the following expression: 13 > 12 OrElse 6 < 5.

a. True b. False

4. Evaluate the following expression: 6 + 3 > 7 AndAlso 11 < 2 \* 5.

a. True b. False

5. Evaluate the following expression: 8 <= 4 + 6 AndAlso 5 > 6 OrElse 4 < 7.

a. True b. False

6. Evaluate the following expression: 7 + 3 \* 2 > 6 \* 3 AndAlso True.

a. True b. False

7. Evaluate the following expression: 5 \* 7 > 6 ˆ 2.

a. True b. False

8. Evaluate the following expression: 5 \* 4 > 6 ˆ 2 AndAlso True OrElse False.

a. True b. False

Use the code shown in Figure 4-53 to answer Review Questions 9 through 12.

If intAge <= 5 Then

intCost = 0

ElseIf intAge <= 12 Then

intCost = 5

ElseIf intAge <= 55 Then

intCost = 10

Else

intCost = 8

End If

9. What will the code in Figure 4-53 assign to the intCost variable when the intAge

variable contains the number 65?

a. 0

b. 5

c. 8

d. 10

10. What will the code in Figure 4-53 assign to the intCost variable when the intAge

variable contains the number 2?

a. 0

b. 5

c. 8

d. 10

11. What will the code in Figure 4-53 assign to the intCost variable when the intAge

variable contains the number 12?

a. 0

b. 5

c. 8

d. 10

12. What will the code in Figure 4-53 assign to the intCost variable when the intAge

variable contains the number 33?

a. 0

b. 5

c. 8

d. 10

If strLevel = "1" OrElse strLevel = "2" Then

lblStatus.Text = "Bronze"

ElseIf strLevel = "3" OrElse strLevel = "4" Then

lblStatus.Text = "Silver"

ElseIf strLevel = "5" Then

lblStatus.Text = "Gold"

Else

lblStatus.Text = "Platinum"

End If

13. What will the code in Figure 4-54 assign to the lblStatus control when the strLevel

variable contains the string “2”?

a. Bronze

b. Gold

c. Platinum

d. Silver

14. What will the code in Figure 4-54 assign to the lblStatus control when the strLevel

variable contains the string “5”?

a. Bronze

b. Gold

c. Platinum

d. Silver

15. What will the code in Figure 4-54 assign to the lblStatus control when the strLevel

variable contains the string “10”?

a. Bronze

b. Gold

c. Platinum

d. Silver

16. What will the code in Figure 4-54 assign to the lblStatus control when the strLevel

variable contains the string “3”?

a. Bronze

b. Gold

c. Platinum

d. Silver

17. Where can a nested selection structure appear?

a. only in an outer selection structure’s false path

b. only in an outer selection structure’s true path

c. in either of an outer selection structure’s paths

d. only in another nested selection structure’s true or false paths

18. Which of the following Case clauses is valid in a Select Case statement whose

selectorExpression is an Integer variable named intAge?

a. Case Is > 21

b. Case 21, 65

c. Case 1 To 10

d. All of the above.

Select Case intLevel

Case 1, 2

strStatus = "Bronze"

Case 3 To 5

strStatus = "Silver"

Case 6, 7

strStatus = "Gold"

Case Else

strStatus = "Platinum"

End Select

19. What will the code in Figure 4-55 assign to the strStatus variable when the intLevel

variable contains the number 4?

a. Bronze

b. Gold

c. Platinum

d. Silver

20. What will the code in Figure 4-55 assign to the strStatus variable when the intLevel

variable contains the number 8?

a. Bronze

b. Gold

c. Platinum

d. Silver

21. What will the code in Figure 4-55 assign to the strStatus variable when the intLevel

variable contains the number 7?

a. Bronze

b. Gold

c. Platinum

d. Silver

22. What will the code in Figure 4-55 assign to the strStatus variable when the intLevel

variable contains the number 1?

a. Bronze

b. Gold

c. Platinum

d. Silver

23. What is the minimum number of radio buttons in a group?

a. one

b. two

c. three

d. There is no minimum number of radio buttons.

24. If a check box is not selected, what value is contained in its Checked property?

a. True

b. Unchecked

c. False

d. Unselected

25. Which capitalization should be used for the text appearing in check boxes and radio

buttons?

a. sentence capitalization

b. book title capitalization

c. either book title capitalization or sentence capitalization

d. None of the above.

26. It is customary in Windows applications to designate a default check box.

a. True b. False

27. A form contains six check boxes. Three of the check boxes are located in a group box.

How many of the check boxes on the form can be selected at the same time?

a. one

b. two

c. three

d. six

28. If a radio button is selected, its \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ property contains the Boolean

value True.

a. Checked

b. On

c. Selected

d. Selection

29. Which of the following If clauses will evaluate to True when the Bonus check box is

selected?

a. If chkBonus.Check = True Then

b. If chkBonus.Checked Then

c. If chkBonus.Checked = True Then

d. Both b and c.

30. Which of the following events occurs when a check box is clicked?

a. Changed

b. Checked

c. CheckedChanged

d. None of the above.

31. When entering data in a text box, each key the user presses invokes the text box’s

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ event.

a. Focus

b. Key

c. KeyFocus

d. KeyPress

32. When entered in the appropriate event procedure, which of the following statements

cancels the key pressed by the user?

a. e.Handled = True

b. e.Handled = False

c. e.KeyCancel = True

d. e.KeyCancel = False

33. Which of the following If clauses determines whether the user pressed the

Backspace key?

a. If e.KeyChar = ControlChars.Back Then

b. If e.KeyChar = Backspace Then

c. If e.KeyChar = ControlChars.Backspace Then

d. If ControlChars.BackSpace = True Then

34. Which of the following If clauses determines whether the user pressed the % key?

a. If ControlChars.PercentSign = True Then

b. If e.KeyChar = "%" Then

c. If e.KeyChar = Chars.PercentSign Then

d. If e.KeyChar.ControlChars = "%" Then

35. Which of the following statements is equivalent to the statement

dblTotal = dblRate \* dblTotal?

a. dblTotal =\* dblRate

b. dblTotal \*= dblRate

c. dblRate \*= dblTotal

d. dblRate =\* dblTotal

36. The six logical operators are listed below. Indicate their order of precedence by placing

a number (1, 2, and so on) on the line to the left of the operator. If two or more operators

have the same precedence, assign the same number to each.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Xor

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ And

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Not

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Or

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AndAlso

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ OrElse

37. An expression can contain arithmetic, comparison, and logical operators. Indicate the

order of precedence for the three types of operators by placing a number (1, 2, or 3) on

the line to the left of the operator type.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Arithmetic

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Logical

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Comparison