MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

1) The JDK command to compile a class in the file Test.java is
   A) java Test.java
   B) java Test
   C) javac Test
   D) javac Test.java
   E) JAVAC Test.java

2) Java was developed by ________.
   A) IBM
   B) Microsoft
   C) Sun Microsystems
   D) Oracle
   E) Cisco Systems

3) Which of the following are the reserved words? (Choose all that apply.)
   A) class
   B) public
   C) void
   D) static

4) The ________ method displays a message dialog box. (Choose all that apply.)
   A) JOptionPane.showMessageDialog(null, "Welcome to Java!", "Example 1.2 Output", JOptionPane.INFORMATION_MESSAGE);
   B) JOptionPane.displayMessage(null, "Welcome to Java!", "Example 1.2 Output", JOptionPane.INFORMATION_MESSAGE);
   C) JOptionPane.showMessageDialog(null, "Welcome to Java!");
   D) JOptionPane.displayMessageDialog(null, "Welcome to Java!", "Example 1.2 Output", JOptionPane.INFORMATION_MESSAGE);
   E) JOptionPane.showMessageDialog(null, "Welcome to Java!", "Example 1.2 Output", JOptionPane.INFORMATION_MESSAGE);

5) ________ is an operating system.
   A) Windows XP
   B) Ada
   C) C++
   D) Visual Basic
   E) Java

6) Every statement in Java ends with ________.
   A) a period (.)
   B) an asterisk (*)
   C) a semicolon (;)
   D) a comma (,)

7) ________ is interpreted.
   A) Pascal
   B) Ada
   C) C++
   D) C
   E) Java
8) Which of the following statements is correct to display Welcome to Java on the console? (Choose all that apply.)
   A) System.out.println("Welcome to Java");
   B) System.out.println("Welcome to Java");
   C) System.out.println("Welcome to Java");
   D) System.println("Welcome to Java");
   E) System.out.print("Welcome to Java");

9) To use JOptionPane in your program, you may import it using: (Choose all that apply.)
   A) import javax.*.JOptionPane;
   B) import javax.swing.JOptionPane;
   C) import javax.*;
   D) import javax.swing.*;

10) ________ is Architecture-Neutral.
    A) Ada   B) Java   C) Pascal   D) C   E) C++

11) The extension name of a Java source code file is
    A) .exe   B) .class   C) .obj   D) .java

12) A block is enclosed inside ________. 
    A) parentheses   B) braces   C) quotes   D) brackets

13) The speed of the CPU is measured in ________. (Choose all that apply.)
    A) gigabytes   B) gigahertz   C) megabytes   D) megahertz

14) ________ is an object-oriented programming language. (Choose all that apply.)
    A) Java   B) Pascal   C) Ada   D) C++   E) C

15) Math.pow(2, 3) returns ________.
    A) 9.0   B) 9   C) 8.0   D) 8

16) The ________ method parses a string s to an int value.
    A) integer.parseInt(s);
    B) integer.parseInt(s);
    C) Integer.parseInt(s);
    D) Integer.parseInt(s);

17) The expression "Java " + 1 + 2 + 3 evaluates to ________.
    A) Java 123   B) Java123   C) java 123   D) Java6   E) Illegal expression

18) Which of the following is the correct expression of character 4? 
    A) 4   B) '4'   C) 0004   D) 4

19) What is the printout of System.out.println('z' – 'a')? 
    A) z   B) a   C) 25   D) 26
20) Analyze the following code.

```java
import javax.swing.*;

public class ShowErrors {
    public static void main(String[ ] args) {
        int i;
        int j;
        String s = JOptionPane.showInputDialog(null, "Enter an integer", "Input", JOptionPane.QUESTION_MESSAGE);
        j = Integer.parseInt(s);
        i = i + 4;
    }
}
```

A) The program cannot compile because i does not have an initial value when it is used in i = i + 4;
B) The program cannot compile because j is not initialized.
C) The program compiles but has a runtime error because i does not have an initial value when it is used in i = i + 4;
D) The program compiles and runs fine.

21) Which of the following expression results in a value 1?
A) 25 % 5  
B) 15 % 4  
C) 37 % 6  
D) 2 % 1

22) Which of the following assignment statements is illegal? (Choose all that apply.)
A) int t = (int)false;
B) float f = -34;
C) short s = 10;
D) int t = 4.5;
E) int t = 23;

23) What is the value of (double)(5/2)?
A) 2.0  
B) 3  
C) 2.5  
D) 2  
E) 3.0

24) -25 % 5 is ________.
A) 1  
B) 2  
C) 3  
D) 4  
E) 0

25) -24 % -5 is ________.
A) 3  
B) -3  
C) 4  
D) -4  
E) 0

26) -24 % 5 is ________.
A) -1  
B) -2  
C) -3  
D) -4  
E) 0

27) ________ is the code with natural language mixed with Java code.
A) A Java statement  
B) A flowchart diagram  
C) Pseudocode  
D) Java program
28) To check whether a char variable \( ch \) is an uppercase letter, you write _______.
   A) \( ('A' <= ch <= 'Z') \)
   B) \( (ch >= 'A' && ch <= 'Z') \)
   C) \( (ch >= 'A' || ch <= 'Z') \)
   D) \( (ch >= 'A' && ch <= 'Z') \)

29) The statement `System.out.printf("%3.1f", 1234.56)` outputs _______.
   A) 1234.56    B) 123.4    C) 1234.5    D) 123.5    E) 1234.6

30) The following code displays _______.

   ```java
   double temperature = 50;
   if (temperature >= 100)
       System.out.println("too hot");
   else if (temperature <= 40)
       System.out.println("too cold");
   else
       System.out.println("just right");
   ```
   A) just right  B) too hot too cold just right
   C) too hot      D) too cold

31) What is the printout of the following switch statement?

   ```java
   char ch = 'b';
   switch (ch) {
   case 'a':
       System.out.print(ch);
   case 'b':
       System.out.print(ch);
   case 'c':
       System.out.print(ch);
   case 'd':
       System.out.print(ch);
   }
   ```
   A) abcd      B) bb      C) bbb      D) bcd      E) b

32) The order of the precedence (from high to low) of the operators \(+, *, &&, ||, \&, \) is:
   A) \(+, *, &&, ||, \&, \)
   B) \&, ||, &&, *, +
   C) \(+, *, &&, ||
   D) \(+, *, &&, ||
   E) &&, ||, \&, *, +

33) Which of the following are valid specifiers for the printf statement? (Choose all that apply.)
   A) \%10b  B) \%6d  C) \%4c  D) \%10.2e  E) \%8.2d

34) What is \( 1 + 1 + 1 + 1 + 1 == 5 \)?
   A) true
   B) false
   C) There is no guarantee that \( 1 + 1 + 1 + 1 + 1 == 5 \) is true.
35) Analyze the following program fragment:

```java
int x;
double d = 1.5;

switch (d) {
    case 1.0: x = 1;
    case 1.5: x = 2;
    case 2.0: x = 3;
}
```

A) The program has a compile error because the required default case is missing in the switch statement.
B) The switch control variable cannot be double.
C) The program has a compile error because the required break statement is missing in the switch statement.
D) No errors.

36) Analyze the following code:

```java
int i = 3434; double d = 3434;
System.out.printf("%5.1f %5.1f", i, d);
```

A) The code compiles and runs fine to display 3434 3434.0.
B) The code compiles and runs fine to display 3434.0 3434.0.
C) i is an integer, but the format specifier %5.1f specifies a format for double value. The code has an error.

37) How many times will the following code print "Welcome to Java"?

```java
int count = 0;
do {
    System.out.println("Welcome to Java");
    count++;
} while (count < 10);
```

A) 8    B) 9    C) 0    D) 11    E) 10
38) Suppose the input for number is 9. What is the output from running the following program?

```java
import java.util.Scanner;

public class Test {
    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        System.out.print("Enter an integer: ");
        int number = input.nextInt();

        int i;

        boolean isPrime = true;
        for (i = 2; i < number && isPrime; i++) {
            if (number % i == 0) {
                isPrime = false;
            }
        }
        System.out.println("i is " + i);
        if (isPrime)
            System.out.println(number + " is prime");
        else
            System.out.println(number + " is not prime");
    }
}
```

A) i is 3 followed by 9 is not prime  
B) i is 4 followed by 9 is prime  
C) i is 4 followed by 9 is not prime  
D) i is 3 followed by 9 is prime

39) Will the following program terminate?

```java
int balance = 10;

while (true) {
    if (balance < 9) continue;
    balance = balance - 9;
}
```

A) Yes  
B) No

40) How many times will the following code print "Welcome to Java"?

```java
int count = 0;

do {
    System.out.println("Welcome to Java");
} while (count++ < 10);
```

A) 0  
B) 9  
C) 8  
D) 10  
E) 11
41) Analyze the following statement:

double sum = 0;

for (double d = 0; d < 10; ) {
    d += 0.1;
    sum += sum + d;
}

A) The program has a compile error because the control variable in the for loop cannot be of the double type.
B) The program has a compile error because the adjustment is missing in the for loop.
C) The program compiles and runs fine.
D) The program runs in an infinite loop because d < 10 would always be true.

42) Analyze the following code. (Choose all that apply.)

int count = 0;
while (count < 100) {
    // Point A
    System.out.println("Welcome to Java!");
    count++;
    // Point B
}
    // Point C

A) count < 100 is always true at Point C
B) count < 100 is always true at Point B
C) count < 100 is always true at Point A
D) count < 100 is always false at Point B
E) count < 100 is always false at Point C

43) Is the following loop correct?

for (; ; );

A) Yes B) No

44) What is the number of iterations in the following loop:

for (int i = 1; i < n; i++) {
    // iteration
}

A) n + 1 B) n - 1 C) 2\*n D) n
45) What is i after the following for loop?

\[
\text{int } y = 0; \\
\text{for (int } i = 0; i<10; ++i) \\
\quad y += i; \\
\]

A) 11  B) 10  C) 9  D) undefined

46) Given the following method

\[
\text{static void nPrint(String message, int n) \\
\quad \text{while (n > 0) \\
\quad \quad System.out.print(message); \\
\quad \quad n--; \\
\quad \}
\]

What is the printout of the call nPrint('a', 4)?

A) aaaaa  B) invalid call  C) aaa  D) aaaa

47) Does the return statement in the following method cause compile errors?

\[
\text{public static void main(String\[\] args) \\
\quad int max = 0; \\
\quad if (max != 0) \\
\quad \quad System.out.println(max); \\
\quad else \\
\quad \quad return; \\
\}
\]

A) Yes  B) No

48) All Java applications must have a method ________.

A) public static Main(String args[ ])  
B) public static Main(String[ ] args)  
C) public void main(String[ ] args)  
D) public static void main(String[ ] args)  
E) public static main(String[ ] args)

49) ________ is to implement one method in the structure chart at a time from the top to the bottom.

A) Bottom-up and top-down approach  B) Stepwise refinement  
C) Top-down approach  D) Bottom-up approach

50) When you invoke a method with a parameter, the value of the argument is passed to the parameter. This is referred to as ________.

A) pass by value  B) method invocation  
C) pass by name  D) pass by reference
51) Does the method call in the following method cause compile errors?

```java
public static void main(String[] args) {
    Math.pow(2, 4);
}
```

A) Yes  B) No

52) Given the following method

```java
static void nPrint(String message, int n) {
    while (n > 0) {
        System.out.print(message);
        n--;
    }
}
```

What is k after invoking nPrint("A message", k)?

```java
int k = 2;
nPrint("A message", k);
```

A) 3  B) 1  C) 0  D) 2

53) The selectionSort method is defined in this section. What is list1 after executing the following statements?

```java
double[] list1 = {3.1, 3.1, 2.5, 6.4};
selectionSort(list1);
```

A) list1 is 6.4, 3.1, 3.1, 2.5  B) list1 is 2.5, 3.1, 3.1, 6.4
C) list1 is 3.1, 2.5, 3.1, 6.4  D) list1 is 3.1, 3.1, 2.5, 6.4

54) If you declare an array double[] list = {3.4, 2.0, 3.5, 5.5}, the highest index in array list is _______.

A) 0  B) 3  C) 1  D) 4  E) 2

55) What is the correct term for numbers[99]?

A) array  B) index  C) index variable  D) indexed variable  E) array variable

56) Suppose a method p has the following heading:

```java
public static int[] p()
```

What return statement may be used in p()?

A) return int[ ]{1, 2, 3};  B) return 1;
C) return {1, 2, 3};  D) return new int[ ]{1, 2, 3};
57) Which of the following statements are correct to invoke the printMax method in Listing 6.5 in the textbook? (Choose all that apply.)
   A) printMax(1, 2, 2, 1, 4);
   B) printMax(1.0, 2.0, 2.0, 1.0, 4.0);
   C) printMax(new double[] {1, 2, 3});
   D) printMax(new int[] {1, 2, 3});

58) The selectionSort method is defined in this section. Assume list is {3.1, 3.1, 2.5, 6.4, 2.1}, what is the content of list after the first iteration of the outer loop in the method?
   A) 2.1, 2.5, 3.1, 3.1, 6.4
   B) 3.1, 3.1, 2.5, 6.4, 2.1
   C) 3.1, 3.1, 2.5, 2.1, 6.4
   D) 2.5, 3.1, 3.1, 6.4, 2.1

59) Analyze the following code:

   public class Test {
     public static void main(String[] args) {
       boolean[][] x = new boolean[3][ ];
       x[0] = new boolean[1];
       x[1] = new boolean[2];
       x[2] = new boolean[3];

       System.out.println("x[2][2] is " + x[2][2]);
     }
   }

   A) The program runs and displays x[2][2] is false.
   B) The program runs and displays x[2][2] is true.
   C) The program runs and displays x[2][2] is null.
   D) The program has a runtime error because x[2][2] is null.
   E) The program has a compile error because new boolean[3][ ] is wrong.

60) Assume double[][] x = new double[4][5], what are x.length and x[2].length?
   A) 5 and 5
   B) 4 and 5
   C) 5 and 4
   D) 4 and 4

61) Assume double[][] x = new double[4][5][6], what are x.length, x[2].length, and x[0][0][0].length?
   A) 4, 5, and 4
   B) 4, 5, and 6
   C) 5, 5, and 5
   D) 6, 5, and 4

62) Which of the following statements are correct? (Choose all that apply.)
   A) char[][] charArray = new char[2][2][ ];
   B) char[2][2][ ] charArray = {'a', 'b'};
   C) char[][] charArray = {{'a', 'b'}, {'c', 'd'}, {'e', 'f'}};
   D) char[][] charArray = {{'a', 'b'}, {'c', 'd'}, {'e', 'f'}};

63) Suppose a method p has the following heading:

   public static int[][] p()

   What return statement may be used in p()?

   A) return 1;
   B) return new int[] {1, 2, 3};
   C) return {1, 2, 3};
   D) return int[] {1, 2, 3};
   E) return new int[][] {{1, 2, 3}, {2, 4, 5}};
64) Which of the following statements are correct?
   A) char[][] charArray = {{'a', 'b'}, {'c', 'd'}};  
   B) char[2][2] charArray = {{'a', 'b'}, {'c', 'd'}};
   C) char[2][ ] charArray = {{'a', 'b'}, {'c', 'd'}};  
   D) char[ ][ ] charArray = {'a', 'b'};

65) ________ is the brain of a computer.
   A) Memory   B) Disk   C) Hardware   D) CPU

66) ________ provides an integrated development environment (IDE) for rapidly developing Java programs. Editing, compiling, building, debugging, and online help are integrated in one graphical user interface.
   A) Java IDE   B) Java JDK   C) Java API   D) Java language specification

67) Which of the following statements is correct?
   A) Every class must end with a semicolon.
   B) Every statement in a program must end with a semicolon.
   C) Every method must end with a semicolon.
   D) Every comment line must end with a semicolon.
   E) Every line in a program must end with a semicolon.

68) ________ consists of a set of separate programs for developing and testing Java programs, each of which is invoked from a command line.
   A) Java language specification   B) Java IDE   C) Java API   D) Java JDK

69) Why do computers use zeros and ones?
   A) because binary numbers are simplest.
   B) because binary numbers are the bases upon which all other number systems are built.
   C) because combinations of zeros and ones can represent any numbers and characters.
   D) because digital devices have two stable states and it is natural to use one state for 0 and the other for 1.

70) Which of the following is a constant, according to Java naming conventions? (Choose all that apply.)
   A) read   B) MAX_VALUE   C) Test   D) COUNT   E) ReadInt

71) What is y displayed in the following code?

```java
public class Test {
    public static void main(String[] args) {
        int x = 1;
        int y = x++ + x;
        System.out.println("y is " + y);
    }
}
```

   A) y is 2.   B) y is 1.   C) y is 4.   D) y is 3.
72) The following code fragment reads in two numbers: (Choose all that apply.)

Scanner input = new Scanner(System.in);
int i = input.nextInt();
double d = input.nextDouble();

What are the correct ways to enter these two numbers?
A) Enter a numeric value with a decimal point, a space, an integer, and then the Enter key.
B) Enter an integer, a space, a double value, and then the Enter key.
C) Enter an integer, an Enter key, a double value, and then the Enter key.
D) Enter an integer, two spaces, a double value, and then the Enter key.

73) The Unicode of ‘a’ is 97. What is the Unicode for ‘c’?
A) 99 B) 97 C) 98 D) 96

74) What is y after the following switch statement is executed?

x = 3;
switch (x + 3) {
case 6: y = 0;
case 7: y = 1;
default: y += 1;
}
A) 3 B) 1 C) 2 D) 4

75) What is 1.0 + 1.0 + 1.0 + 1.0 + 1.0 == 5.0?
A) true B) false C) There is no guarantee that 1.0 + 1.0 + 1.0 + 1.0 + 1.0 == 5.0 is true.

76) The statement System.out.printf("%3.1e", 1234.56) outputs ________.
A) 0.1e+04 B) 1.23+03 C) 0.123456e+04 D) 1.2e+03 E) 0.123e+04

77) What is the output for y?

int y = 0;
for (int i = 0; i<10; ++i) {
y += i;
}
System.out.println(y);
A) 45 B) 11 C) 10 D) 12 E) 13
78) How many times will the following code print "Welcome to Java"?  

```java
int count = 0;
while (count < 10) {
    System.out.println("Welcome to Java");
    count++;
}
```

A) 11  B) 9  C) 8  D) 10  E) 0

79) Analyze the following code: (Choose all that apply.)

```java
public class Test {
    public static void main(String args[]) {
        int i = 0;
        for (i = 0; i < 10; i++) {
            System.out.println(i + 4);
        }
    }
}
```

A) The program compiles despite the semicolon (;) on the for loop line, and displays 14.
B) The program has a compile error because of the semicolon (;) on the for loop line.
C) The program compiles despite the semicolon (;) on the for loop line, and displays 4.
D) The for loop in this program is same as for (i = 0; i < 10; i++) {

80) A variable defined inside a method is referred to as ________.
A) a local variable  B) a global variable
C) a method variable  D) a block variable

81) What is Math.ceil(3.6)?
A) 4.0  B) 5.0  C) 3.0  D) 3

82) The signature of a method consists of ________.
A) return type, method name, and parameter list
B) parameter list
C) method name
D) method name and parameter list

83) The reverse method is defined in this section. What is list1 after executing the following statements?

```java
int[ ] list1 = {1, 2, 3, 4, 5, 6};
int[ ] list2 = reverse(list1);
```

A) list1 is 1 2 3 4 5 6  B) list1 is 0 0 0 0 0 0
C) list1 is 6 5 4 3 2 1  D) list1 is 6 6 6 6 6 6
84) For the binarySearch method in Section 6.9.2, what is low and high after the first iteration of the while loop when invoking binarySearch(new int[]{1, 4, 6, 8, 10, 15, 20}, 11)?
   A) low is 0 and high is 3
   B) low is 4 and high is 6
   C) low is 3 and high is 6
   D) low is 0 and high is 5
   E) low is 0 and high is 6

85) Which of the following lines is not a Java comment? (Choose all that apply.)
   A) -- comments
   B) // comments
   C) /** comments **
   D) /** comments */
   E) /* comments */

86) _______ are instructions to the computer. (Choose all that apply.)
   A) Programs
   B) Hardware
   C) Software
   D) Keyboards

87) Suppose i is an int type variable. Which of the following statements display the character whose Unicode is stored in variable i?
   A) System.out.println((char)i);
   B) System.out.println(i);
   C) System.out.println(i + " ");
   D) System.out.println((int)i);

88) Which of the following assignment statements is incorrect? (Choose all that apply.)
   A) i = j = k = 1;
   B) i = 1 = j = 1 = k = 1;
   C) i = j = k = 1;
   D) i = 1; j = 1; k = 1;

89) Suppose x=10 and y=10 what is x after evaluating the expression (y >= 10) || (x++ > 10)?
   A) 10
   B) 9
   C) 11

90) To add 0.01 + 0.02 + ... + 1.00, what order should you use to add the numbers to get better accuracy?
   A) add 0.01, 0.02, ..., 1.00 in this order to a sum variable whose initial value is 0.
   B) add 1.00, 0.99, 0.98, ..., 0.02, 0.01 in this order to a sum variable whose initial value is 0.

91) _______ is a simple but incomplete version of a method.
   A) A stub
   B) A main method
   C) A method developed using top-down approach
   D) A non-main method

92) If a key is not in the list, the binarySearch method returns _______.
   A) insertion point
   B) -(insertion point)
   C) insertion point - 1
   D) -(insertion point + 1)
93) The main method header is written as:
A) public static void main(string[ ] args)
B) public static void Main(String[ ] args)
C) public static void main(String[ ] args)
D) public void main(String[ ] args)
E) public static main(String[ ] args)

94) Suppose x is 1. What is x after x -= 1?
A) 0  B) 1  C) 2  D) -1  E) -2

95) What is the printout of the following switch statement?
```java
char ch = 'a';
switch (ch) {
    case 'a':
        case 'A':
            System.out.print(ch); break;
    case 'b':
        case 'B':
            System.out.print(ch); break;
    case 'c':
        case 'C':
            System.out.print(ch); break;
    case 'd':
        case 'D':
            System.out.print(ch);
    }
A) aa  B) abc  C) a  D) abcd  E) ab
```

96) Do the following two statements in (I) and (II) result in the same value in sum?
(I):
```java
for (int i = 0; i<10; ++i) {
    sum += i;
}
```

(II):
```java
for (int i = 0; i<10; i++) {
    sum += i;
}
```
A) Yes  B) No

97) Which of the following should be declared as a void method?
A) Write a method that returns a random integer from 1 to 100.
B) Write a method that checks whether current second is an integer from 1 to 100.
C) Write a method that converts an uppercase letter to lowercase.
D) Write a method that prints integers from 1 to 100.
98) How can you initialize an array of two characters to 'a' and 'b'? (Choose all that apply.)
   A) char[ ] charArray = new char[2]; charArray = {'a', 'b'};
   B) char[ ] charArray = new char[ ]{'a', 'b'};
   C) char[ ] charArray = {'a', 'b'};
   D) char[2] charArray = {'a', 'b'};

99) __________ is a technical definition of the language that includes the syntax and semantics of the Java programming language.
   A) Java JDK
   B) Java language specification
   C) Java API
   D) Java IDE

100) The __________ method parses a string s to a double value.
    A) double.parseDouble(s);
    B) double.parse(s);
    C) Double.parseDouble(s);
    D) Double.parseDouble(s);
Answer Key
Testname: QUIZ 1

1) D
   ID: jp8 1-25
2) C
   ID: jp8 1-13
3) A, B, C, D
   ID: jp8 1-33
4) A, C
   ID: jp8 1-36
5) A
   ID: jp8 1-11
6) C
   ID: jp8 1-34
7) E
   ID: jp8 1-16
8) C, E
   ID: jp8 1-24
9) B, D
   ID: jp8 1-37
10) B
    ID: jp8 1-17
11) D
    ID: jp8 1-31
12) B
    ID: jp8 1-35
13) B, D
    ID: jp8 1-3
14) A, D
    ID: jp8 1-15
15) C
    ID: jp8 2-30
16) C
    ID: jp8 2-63
17) A
    ID: jp8 2-55
18) B
    ID: jp8 2-45
19) C
    ID: jp8 2-52
20) A
    ID: jp8 2-65
21) C
    ID: jp8 2-18
22) A, D
    ID: jp8 2-40
23) A
    ID: jp8 2-42
Answer Key
Testname: QUIZ 1

24) E
   ID: jp8 2-20
25) D
   ID: jp8 2-23
26) D
   ID: jp8 2-22
27) C
   ID: jp8 3-6
28) D
   ID: jp8 3-21
29) E
   ID: jp8 3-32
30) A
   ID: jp8 3-11
31) C
   ID: jp8 3-26
32) C
   ID: jp8 3-37
33) A, B, C, D
   ID: jp8 3-31
34) A
   ID: jp8 3-3
35) B
   ID: jp8 3-27
36) C
   ID: jp8 3-36
37) E
   ID: jp8 4-4
38) C
   ID: jp8 4-24
39) B
   ID: jp8 4-20
40) E
   ID: jp8 4-5
41) C
   ID: jp8 4-8
42) C, E
   ID: jp8 4-2
43) A
   ID: jp8 4-12
44) B
   ID: jp8 4-22
45) D
   ID: jp8 4-11
46) B
   ID: jp8 5-10
Answer Key
Testname: QUIZ 1

47) B
   ID: jp8 5-5
48) D
   ID: jp8 5-3
49) C
   ID: jp8 5-29
50) A
   ID: jp8 5-9
51) B
   ID: jp8 5-6
52) D
   ID: jp8 5-11
53) B
   ID: jp8 6-38
54) B
   ID: jp8 6-4
55) D
   ID: jp8 6-6
56) D
   ID: jp8 6-30
57) A, B, C
   ID: jp8 6-34
58) C
   ID: jp8 6-37
59) A
   ID: jp8 7-3
60) B
   ID: jp8 7-2
61) B
   ID: jp8 7-5
62) A, C
   ID: jp8 7-6
63) E
   ID: jp8 7-4
64) A
   ID: jp8 7-1
65) D
   ID: jp8 1-2
66) A
   ID: jp8 1-21
67) B
   ID: jp8 1-23
68) D
   ID: jp8 1-20
69) D
   ID: jp8 1-4
Testname: QUIZ 1

70) B, D
   ID: jp8 2-12
71) D
   ID: jp8 2-36
72) B, C, D
   ID: jp8 2-2
73) A
   ID: jp8 2-50
74) C
   ID: jp8 3-24
75) C
   ID: jp8 3-4
76) D
   ID: jp8 3-33
77) A
   ID: jp8 4-10
78) D
   ID: jp8 4-1
79) A, D
   ID: jp8 4-14
80) A
   ID: jp8 5-16
81) A
   ID: jp8 5-23
82) D
   ID: jp8 5-2
83) A
   ID: jp8 6-32
84) B
   ID: jp8 6-35
85) A, C
   ID: jp8 1-32
86) A, C
   ID: jp8 1-8
87) A
   ID: jp8 2-49
88) A, B
   ID: jp8 2-10
89) A
   ID: jp8 3-20
90) A
   ID: jp8 4-16
91) A
   ID: jp8 5-30
92) D
   ID: jp8 6-36
Answer Key
Testname: QUIZ 1

93) C
    ID: ip8 1-22
94) A
    ID: ip8 2-27
95) C
    ID: ip8 3-25
96) A
    ID: ip8 4-9
97) D
    ID: ip8 5-8
98) B, C
    ID: ip8 6-10
99) B
    ID: ip8 1-18
100) D
    ID: ip8 2-64