**Questions may not be in this order on your quiz, and the selections may not be in the same order also.**

**Question 1**  
Identify the correct Java variable assignment statements. Select ALL that apply.

Question options:

|  |  |
| --- | --- |
|  | double cost = 2\_345.5\_; |
|  | int balance = 2934987651; |
|  | double num = 1\_00\_0.0\_0; |
|  | int bin = 0b111; |
|  | String $$$ = "cash"; |
|  | int \_\_\_nu\_$m = 10; |
| **Question 2** | |

long loan = 1234;

int number = loan;

The code above does not compile. How could the code be corrected? Select ALL that apply.

Question options:

|  |  |
| --- | --- |
|  | change type of number to longIncorrect Response |
|  | change type of loan to int |
|  | add a cast to long |
|  | add a cast to int |
| **Question 3** | |

What term is used to describe compiled Java code?

Question options:

|  |  |
| --- | --- |
|  | binary code |
|  | bytecodeCorrect Response |
|  | JVM |
|  | machine code |
| **Question 4** | |

Identify the statements that correctly increase the variable amount by 2. Select ALL that apply.

Question options:

|  |  |
| --- | --- |
|  | ++amount++; |
|  | amount = amount + 2; |
|  | amount += 2; |
|  | amount =+ 2; |
| **Question 5** | |

int result = 3 / 10;

What is the result of the code above?

Question options:

|  |  |
| --- | --- |
|  | 0.3 is stored in resultIncorrect Response |
|  | result is promoted to a double type |
|  | the code does not compile |
|  | 0 is stored in result |
| **Question 6** | |

Identify the components of object-oriented programming in Java. Select ALL that apply.

Question options:

|  |  |
| --- | --- |
|  | polymorphismCorrect Response |
|  | platform independence |
|  | abstractionCorrect Response |
|  | encapsulationCorrect Response |
|  | inheritanceCorrect Response |
| **Question 7** | |

Source code file Hello.java has been compiled. Which one of these will execute it?

Question options:

|  |  |
| --- | --- |
|  | javac Hello.javaIncorrect Response |
|  | javac Hello |
|  | java Hello.class |
|  | java Hello |
|  | java Hello.java |
| **Question 8** | |

int num = 12;

System.out.println(num >= 4 \* 3 && num % 2 == 0);

What is the result of the code above?

Question options:

|  |  |
| --- | --- |
|  | false is printed |
|  | code throws an exception |
|  | code fails to compileIncorrect Response |
|  | true is printed |
| **Question 9** | |

This contains the JVM and Java Class LIbrary.

Question options:

|  |  |
| --- | --- |
|  | JRECorrect Response |
|  | bytecode |
|  | JDK |
|  | API |
| **Question 10** | |

Identify the popular features of Java. Select ALL that apply.

Question options:

|  |  |
| --- | --- |
|  | Java is easy for beginners  .. |
|  | Java is object-oriented. |
|  | Java is platform independent |
|  | Java can be embedded in Web pages. |
| **Question 11** | |

Simple data types for storing integers, real numbers, characters and booleans are called \_\_\_?\_\_\_ in Java.

Question options:

|  |  |
| --- | --- |
|  | objects |
|  | literals |
|  | primitivesCorrect Response |
|  | instances |
| **Question 12** | |

Where are Java used programs used? Select ALL that apply.

Question options:

|  |  |
| --- | --- |
|  | in some mobile devices |
|  | in some kitchen appliances |
|  | in some modern motor vehicles |
|  | on web servers |
| **Question 13** | |

A device needs a \_\_\_\_ to run a Java program.

Question options:

|  |  |
| --- | --- |
|  | IDE |
|  | JDKCorrect Response |
|  | package |
|  | JVM |
| **Question 14** | |

Identify the true statements about Java. Select ALL that apply.

Question options:

|  |  |
| --- | --- |
|  | Java class names should begin with an upper case alphabet character. |
|  | The name of a public Java class must match its filename. |
|  | Java programs execute from the main method. |
|  | Java is case-sensitive. |
|  | A Java program must have at least one class. |
|  | A class can contain only one method. |
| **Question 15** | |

Which of these technologies runs on the client side (in the browser)? Select ALL that apply.

Question options:

|  |  |
| --- | --- |
|  | Java Servlets |
|  | appletsCorrect Response |
|  | JSF |
|  | JSP |
| **Question 16** | |

Identify the "blueprint" from which individual Java objects are created.

Question options:

|  |  |
| --- | --- |
|  | method |
|  | main |
|  | java.lang |
|  | API |
|  | classCorrect Response |
| **Question 17** | |

Java's thousands of classes are organized into \_\_\_?\_\_\_

Question options:

|  |  |
| --- | --- |
|  | methods |
|  | packagesCorrect Response |
|  | modules |
|  | imports |
| **Question 18** | |

Which package must be imported to create an instance of the Scanner class?

Question options:

|  |  |
| --- | --- |
|  | java.inputCorrect Response |
|  | java.lang |
|  | java.util |
|  | none of these, it's always available |
| **Question 19** | |

Identify the correct Java statement(s). Select ALL that apply.

Question options:

|  |  |
| --- | --- |
|  | float taxRate = 0.07f; Correct Response |
|  | float taxRate = 0.07F; Correct Response |
|  | float taxRate = 0.07; |
|  | float $taxRate = 0.07; |
| **Question 20** | |

Identify the correct use of comments. Select ALL that apply.

Question options:

|  |  |
| --- | --- |
|  | /\* this is a Java comment |
|  | /\* This is a Java comment \*/ |
|  | System.out.println("Hello, world");  // say Hello |
|  | // this is a Java comment |
| **Question 21** | |

Identify the Java package that is never imported.

Question options:

|  |  |
| --- | --- |
|  | java.print |
|  | java.langCorrect Response |
|  | java.main |
|  | java.util |
| **Question 22** | |

Identify the legal Java identifiers. Select ALL that apply.

Question options:

|  |  |
| --- | --- |
|  | classCorrect Response |
|  | \_firstname |
|  | CanOfWormsCorrect Response |
|  | 5th\_nameCorrect Response |
|  | $price |
| **Question 23** | |

12    int n1 = 12;

13    int n2 = 5;

14    int n3 = ++n1 - n2--;

What is the result of the code above?

Question options:

|  |  |
| --- | --- |
|  | n3 = 8 and n2 = 4 and n1 = 12 |
|  | n3 = 7 and n2 = 5 and n1 = 13 |
|  | compilation fails on line 14Incorrect Response |
|  | n3 = 9 and n2 = 4 and n1 = 13 |
|  | n3 = 8 and n2 = 4 and n1 = 13 |
| **Question 24** | |

Which one will compile a Java source code file named Test.java?

Question options:

|  |  |
| --- | --- |
|  | javac Test.java |
|  | java Test |
|  | javac Test |
|  | compile Test.javaIncorrect Response |
| **Question 25** | |

Identify the correct statements. Select ALL that apply.

Question options:

|  |  |
| --- | --- |
|  | A compiled Java filename has a .class extension. |
|  | The contents of a class are enclosed by curly braces { }. |
|  | Java is a low-level language. |
|  | A Java string is enclosed by double quotes. |
|  | Java programs start in the main method. |