Question1: START

What is the default data type of a variable that stores a whole number in Java?

Question1: END

Option\_a: int

Option\_b: float

Option\_c: double

Option\_d: char

correct\_option: int

Question2: START

Which operator is used to assign a value to a variable in Java?

Question2: END

Option\_a: =

Option\_b: = =

Option\_c: !=

Option\_d: !

correct\_option: =

Question3: START

What is the purpose of the "public static void main" method in Java?

Question3: END

Option\_a: To start the execution of a program

Option\_b: To define a class

Option\_c: To declare a variable

Option\_d: To create an object

correct\_option: To start the execution of a program

Question4: START

What is the purpose of the "this" keyword in Java?

Question4: END

Option\_a: To refer to the current object

Option\_b: To refer to the superclass

Option\_c: To refer to a subclass

Option\_d: To refer to a static method

correct\_option: To refer to the current object

Question5: START

What is the difference between "static" and "non-static" methods in Java?

Question5: END

Option\_a: Static methods can be called without an object, non-static methods cannot

Option\_b: Static methods cannot be called without an object, non-static methods can

Option\_c: Static methods are used for inheritance, non-static methods are used for polymorphism

Option\_d: None of the above

correct\_option: Static methods can be called without an object, non-static methods cannot

Question6: START

What is the difference between method overloading and method overriding?

Question6: END

Option\_a: Overloading is used to define multiple methods with the same name, overriding is used to define a method with the same name as its superclass

Option\_b: Overloading is used to define a method with the same name as its superclass, overriding is used to define multiple methods with the same name

Option\_c: Overloading is used to define multiple methods with different parameters, overriding is used to define a method with the same parameters as its superclass

Option\_d: None of the mentioned

correct\_option: Overloading is used to define multiple methods with the same name, overriding is used to define a method with the same name as its superclass

Question7: START

What is the purpose of packages in Java?

Question7: END

Option\_a: To group related classes and interfaces together

Option\_b: To create a new class or interface

Option\_c: To define a new method or variable

Option\_d: To override a method of a superclass

correct\_option: To group related classes and interfaces together

Question8: START

What is the purpose of the "synchronized" keyword in Java?

Question8: END

Option\_a: To make a method thread-safe

Option\_b: To make a class thread-safe

Option\_c: To make a variable thread-safe

Option\_d: To make a block of code thread-safe

correct\_option: To make a method thread-safe

Question9: START

Which method is used to pause the execution of a thread?

Question9: END

Option\_a: sleep()

Option\_b: stop()

Option\_c: wait()

Option\_d: pause()

correct\_option: sleep()

Question10: START

Which method is used to start a thread in Java?

Question10: END

Option\_a: start()

Option\_b: run()

Option\_c: call()

Option\_d: initiate()

correct\_option: start()

Question11: START

What happens if two threads have the same priority?

Question11: END

Option\_a: Thread scheduler decides the order

Option\_b: Thread with higher ID runs first

Option\_c: Thread with lower ID runs first

Option\_d: They execute simultaneously

correct\_option: Thread scheduler decides the order

Question12: START

Which of the following is a checked exception in Java?

Question12: END

Option\_a: IOException

Option\_b: ArrayIndexOutOfBoundsException

Option\_c: NullPointerException

Option\_d: ArithmeticException

correct\_option: IOException

Question13: START

What method must be overridden when a class implements the Runnable interface?

Question13: END

Option\_a: run()

Option\_b: start()

Option\_c: stop()

Option\_d: execute()

correct\_option: run()

Question14: START

Which of the following is not a Java features?

Question14: END

Option\_a: Use of pointers

Option\_b: Dynamic

Option\_c: Architecture Neutral

Option\_d: Object-oriented

correct\_option: Use of pointers

Question15: START

In the context of synchronized methods, what does a thread hold when it accesses a synchronized method?

Question15: END

Option\_a: Object lock

Option\_b: Method lock

Option\_c: Class lock

Option\_d: Memory lock

correct\_option: Object lock

Question16: START

Which of the following is the superclass for all exceptions in Java?

Question16: END

Option\_a: Throwable

Option\_b: Error

Option\_c: RuntimeException

Option\_d: Exception

correct\_option: Throwable

Question17: START

Which Java library class is used to handle textual data?

Question17: END

Option\_a: String

Option\_b: int

Option\_c: Math

Option\_d: Random

correct\_option: String

Question18: START

Which of the following methods is used to rethrow an exception in a catch block?

Question18: END

Option\_a: throw

Option\_b: throws

Option\_c: rethrow

Option\_d: try

correct\_option: throw

Question19: START

What is the output of the following loop?

for (int i = 0; i < 5; i++) {

if (i == 3) {

continue;

}

System.out.print(i);

}

Question19: END

Option\_a: 0124

Option\_b: 012

Option\_c: 01234

Option\_d: 1234

correct\_option: 0124

Question20: START

What will be the output of the following code?

public class Main {

public static void main(String[] args) {

double d = 100.04;

long l = (long) d;

int i = (int) l;

System.out.println(i);

}

}

Question20: END

Option\_a: 100

Option\_b: 100.04

Option\_c: Compile-time error

Option\_d: 100.0

correct\_option: 100

Question21: START

Which of the following is the correct way to create a one-dimensional array in Java?

Question21: END

Option\_a: int[] numbers = new int(5);

Option\_b: int numbers = new int[];

Option\_c: int numbers = {1, 2, 3, 4, 5};

Option\_d: int[] numbers = new int[5];

correct\_option: int[] numbers = new int[5];

Question22: START

What is the role of JavaFX in Java development?

Question22: END

Option\_a: It is used to handle file input/output operations.

Option\_b: It is a class used for mathematical operations.

Option\_c: It is a framework used for developing graphical user interfaces (GUIs).

Option\_d: It is a package for managing exceptions.

correct\_option: It is a framework used for developing graphical user interfaces (GUIs).

Question23: START

Which component is used to compile, debug and execute java program?

Question23: END

Option\_a: JVM

Option\_b: JIT

Option\_c: JDK

Option\_d: JRE

correct\_option: JDK

Question24: START

Which of the below is invalid identifier with the main method?

Question24: END

Option\_a: public

Option\_b: private

Option\_c: static

Option\_d: final

correct\_option: private

Question25: START

What is the output of the following Java program?

public class Test {

public static void main(String[] args) {

String s1 = "Hello";

String s2 = "Hello";

String s3 = new String("Hello");

System.out.println(s1 == s2);

System.out.println(s1 == s3);

System.out.println(s1.equals(s3));

}

}

Question25: END

Option\_a: true true true

Option\_b: false false true

Option\_c: true false true

Option\_d: false false false

correct\_option: true false true