Method Overloading has multiple methods with:

Correct answer: **B.**
You chose: **C.**

This question displayed answers in random order during the test.

    A. Same method name & same data type of arguments

➡ **B.** Same method name but different number or datatype of arguments

✖ **C.** All of the above

    D. Same method name & same number of arguments

Points: 0 / 1

Which of the following can be used to move thread from waiting state to runnable state?

Correct answer: **A.**
You chose: **B.**

This question displayed answers in random order during the test.

➡ **A.** using notifyAll method

✖ **B.** using awake method

    C. using start method

    D. using yield method

Question 3 of 40

What will be the output for given statement?
System.out.println("5"+"10"+"3"+"9"+1);

Correct answer: **C.**
You chose: **C.**

This question displayed answers in random order during the test.

    A. 51391

    B. 271

✓ **C.** 510391

    D. 28

Points: 1 / 1

Question 4 of 40

Enum constant _____.

Correct answer: **B.**
You chose: **C.**

This question displayed answers in random order during the test.

    A. is implicitly private static final

➡ **B.** must be defined as first statement

✗ **C.** is an object of type enum

    D. ordinal value starts from 1

What is false about constructor?

Correct answer: **C.**
You chose: **C.**

This question displayed answers in random order during the test.

    A. Java does not provide default copy constructor

    B. Constructors cannot be synchronized in Java

✓ **C.** Constructor can have explicit return type

    D. "this" and "super" can be used in a constructor

Points: 1 / 1

Which of the following is true about HashMap<K,V> API?

Correct answer: **B.**
You chose: **A.**

This question displayed answers in random order during the test.

✗ **A.** it is sorted map implementation class

➜ **B.** it allows to add null key reference(once)

    C. it is inherently thread safe

    D. it does not guarantee constant time performance.

Points: 0 / 1

A place where a Class's objects are kept is called as:

Correct answer: **A.**
You chose: **A.**

This question displayed answers in random order during the test.

✓ **A.** Heap

   B. File

   C. Stack

   D. Disk

Points: 1 / 1

in order to prevent a collision, which of the following is not a most effective technique?

Correct answer: **B.**
You chose: **A.**

This question displayed answers in random order during the test.

✗ **A.** Use the chaining method

➜ **B.** Increasing hash table size

   C. Use uniform hashing

   D. Make the hash function appear random

What type of conversion is shown in the following code?
long l=100; int i=(int)l;

Correct answer: **C.**
You chose: **C.**

This question displayed answers in random order during the test.

A. Implicit Type Conversion

B. None of the Above

✓ C. Explicit Type conversion

D. Auto Type conversion

Points: 1 / 1

Which of the following is an example of a garbage collection method?

Correct answer: **D.**
You chose: **C.**

This question displayed answers in random order during the test.

A. Cleanup model

B. Sweep Model

✗ C. Space management model

➜ D. Mark and Sweep Model

Question 11 of 40

What will be the output ifSample.java does not have the main() method?

Correct answer: **D.**
You chose: **B.**

This question displayed answers in random order during the test.

    A. Class will get executed without any error

✗ **B.** Compile time error using javac command

    C. Class will get executed with an exception

➞ **D.** Run time error using java command

Points: 0 / 1

Question 12 of 40

Aggregation is also called as:

Correct answer: **C.**
You chose: **C.**

    A. OR A Relation

    B. AND A Relation

✓ **C.** HAS A Relation

    D. None of the Above

Points: 1 / 1

Choose the incorrect syntax for a lambda expression.

Correct answer: **A.**
You chose: **B.**

This question displayed answers in random order during the test.

➡ **A.** (String s)->{"lambda expression of type String";}

✗ **B.** ()->3.567

   C. (param)->System.out.println("parameterized lambda expression");

   D. ()->System.out.println("lambda expression");

Points: 0 / 1

Question 14 of 40

What will be the output of the following code snippet?
int a=15;
int b=25;
if((a<b) || (a=5)>15)
System.out.println(a);
else
System.out.println(b);

Correct answer: **C.**
You chose: **C.**

This question displayed answers in random order during the test.

   A. 25

   B. Error

✓ **C.** 15

When is it decided if a method should be overloaded?

Correct answer: **A.**
You chose: **A.**

This question displayed answers in random order during the test.

✔ **A.** At compile time

   B. At run time

   C. At coding time

   D. At execution time

Points: 1 / 1

Which of the following statement is correct to check the largest number from given three numbers?

Correct answer: **C.**
You chose: **C.**

This question displayed answers in random order during the test.

   A. None of the Above

   B. b>(a>b?a:b)?c:(a>b?a:b);

✔ **C.** c>(a>b?a:b)?c:(a>b?a:b);

   D. a>(a>b?a:b)?c:(a>b?a:b)

Anonymous Inner Class can _____

Correct answer: **A.**
You chose: **A.**

This question displayed answers in random order during the test.

✔ **A.** be extended by another class

B. access the member of its outer class

C. not be instantiated

D. have a name

Points: 1 / 1

What are generic methods?

Correct answer: **C.**
You chose: **B.**

This question displayed answers in random order during the test.

A. Generic methods are the methods that extend generic class methods

✖ **B.** Generic methods are methods that take void parameters

➡ **C.** Generic methods are methods that introduce their own type parameters

D. Generic methods are the methods defined in a generic class

Points: 0 / 1

Which of the following is false about static keyword?

Correct answer: **C.**
You chose: **C.**

This question displayed answers in random order during the test.

A. static methods can access other static method directly

B. static block gets called only once and a class can have multiple static block

✔ C. Non static methods cannot access other static members directly

D. static import can access directly all the static members of the class

Points: 1 / 1

Which of the following for loop declaration does not meet the requirements?

Correct answer: **B.**
You chose: **B.**

This question displayed answers in random order during the test.

A. for(int i=2;i<=20;i=2*i)

✔ B. for(int i=99;i>0;i/2)

C. for(int i=20;i>=2;--i)

D. for(int i=7;i<=77;i+=7)

Points: 1 / 1

"Object value = 13.041;" represents _____

Correct answer: **D.**
You chose: **D.**

This question displayed answers in random order during the test.

    A. Composition and Down Casting

    B. Generalization and Down Casting

    C. Auto Boxing and Up Casting

✓ **D.** Widening and Up Casting

Points: 1 / 1

What will be the output of the following program?

```java
class W{
    static int c=0;
    public static void main(String[] args){
        W w1 = c();
        W w2 = c(w1);
        W w3 = c(w2);
        W w4 = c(w3);
    }
    private W(){
        System.out.println("c="+c);
    }
    static W c(){
        return c++ <= 0 ? new W() : null;
    }

    static W c(W w){
        return w.c++ == 1 ? new W() : null;
    }
}
```

Correct answer: **D.**
You chose: **A.**

This question displayed answers in random order during the test.

✗ **A.** Null Pointer Exception

    B. c=1,c=2,c=3,c=4

    C. c=1,c=2,c=3

➡ **D.** c=1,c=2

When do you expect the daemon thread to be terminated?

Correct answer: **C.**
You chose: **D.**

This question displayed answers in random order during the test.

    A. When interupt() method is called

    B. None of these

➡ **C.** Once all non-daemon threads execution is completed

✖ **D.** When wait() method is called

Points: 0 / 1

What is not the advantage of Reflection?

Correct answer: **A.**
You chose: **C.**

This question displayed answers in random order during the test.

➡ **A.** Examine a class's field at compile time

    B. Examine a class's field and method at runtime

✖ **C.** Construct an object for a class at runtime

    D. Examine an object's class at runtime

If there are multiple operators in the expression, then they will follow the rule of

_____

Correct answer: **B.**
You chose: **A.**

This question displayed answers in random order during the test.

✗ **A.** Associativity

➜ **B.** Precedence

C. Random

D. POSIX

Points: 0 / 1

What is the aim of the following code?

```java
import java.io.File;
import java.io.FileInputStream;
import java.io.IOException;
public class FileInputStreamExample{
    public static void main(String[] args) throws IOException{
        File file = new File("/home/avenues/Downloads/WhatsApp Image 2022-08-13 at 8.58.05 PM.jpeg");
        FileInputStream inputStream = new FileInputStream(file);
        byte bytes[] = new byte[(int)file.length()];
        int numOfBytes = inputStream.read(bytes);
        System.out.println("Data copied successfully.....");
        System.out.println(numOfBytes);
    }
}
```

Correct answer: **C.**
You chose: **C.**

This question displayed answers in random order during the test.

    A. To write the file

    B. To delete and image file

✓ **C.** To read the file through input stream

    D. To create an image file

Points: 1 / 1

What will be the output for the following code?

```
public class Test implements Runnable{
    public static void main(String[] args) throws InterruptedException{
        Thread thread = new Thread(new Test());
        thread.start();thread.start();thread.start();
        System.out.println(thread.getState());
    }
    public void run(){ System.out.println("Welcome");}
}
```

Correct answer: **A.**
You chose: **B.**

This question displayed answers in random order during the test.

➡ **A.** Welcome and IllegalThreadStateException

✕ **B.** Welcome, Welcome and Welcome

C. Welcome, Welcome and IllegalThreadStateException

D. IllegalThreadStateException

Points: 0 / 1

Name the map that should be kept in multi-threading environment to keep up the natural order of keys?

Correct answer: **C.**
You chose: **A.**

  ✕ **A.** ConcurrentHashMap

  B. concurrentSkipListMap

➡ **C.** ConcurrentMap

  D. None of the above

Points: 0 / 1

The number of threads in the Java progamme shown below is:

```java
public class ThreadExtended extends Thread{
    public void run(){
        System.out.println("\nThread is running now\n");
    }
    public static void main(String[] args){
        ThreadExtended threadE = new ThreadExtended();threadE.start();
    }
}
```

Correct answer: **D.**
You chose: **A.**

This question displayed answers in random order during the test.

✗ **A.** 0

   B. 3

   C. 1

➜ **D.** 2

Points: 0 / 1

Question 30 of 40

Just-In-Time Compiler increases the efficiency of _____

Correct answer: **B.**
You chose: **D.**

This question displayed answers in random order during the test.

    A. Resource Allocation

➡️ **B.** Compiler

    C. Garbage Collector

❌ **D.** Interpreter

Points: 0 / 1

Question 31 of 40

Which is the correct syntax to make a single dimensional array?

Correct answer: **A.**
You chose: **A.**

✔️ **A.** int a[] = new int[5];

    B. int a = new int[5];

    C. Both of the above

    D. None of the above

Points: 1 / 1

Choose the correct set of String class methods from the following:

Correct answer: **B.**
You chose: **D.**

This question displayed answers in random order during the test.

    A. getBytes, toCharArray, lowerCase

➡ **B.** endsWith, length, intern

    C. copyValueOf, format, valueAt

✖ **D.** charAt, compareTo, containsAll

Points: 0 / 1

Calculate the output of the following code snippet:

```
interface A{ }
class C { }
class D extends C { }
class B extends D implements A{ }
public class Test extends Thread{
    public static void main(String[] args){
        B b = new B();
        if(b instanceof A)
            System.out.println("b is an instance of A");
        if(b instanceof C)
            System.out.println("b is an instance of C");
    }
}
```

Correct answer: **B.**
You chose: **B.**

This question displayed answers in random order during the test.

    A. b is an instance of C

✔ **B.** b is an instance of A followed by b is an instance of C

    C. Nothing

    D. b is an instance of A

Points: 1 / 1

What is the output of the following code?

```java
import java.io.*;
public class Hello{
    public static void printsr(int n){
        int i,j;
        for(i=0;i<n;i++){
            for(j=0;j<=i;j++){
                System.out.print("* ");
            }
            System.out.println();
        }
    }

    public static void main(String[] args){
        int n=5;
        printsr(5);
    }
}
```

Correct answer: **B.**
You chose: **B.**

This question displayed answers in random order during the test.

```
A. * * * * *
    * * * *
     * * *
      * *
       *
```

✔ B.
```
*
* *
* * *
* * * *
* * * * *
```

Question 35 of 40

When do Java exceptions occur in the course of a program's execution?

Correct answer: **B.**
You chose: **A.**

This question displayed answers in random order during the test.

✗ **A.** Compile Time

➜ **B.** Run Time

    C. Can occur any time

    D. None of the above

Points: 0 / 1

Question 36 of 40

_____ directly inherits the Object "public boolean equals(Object obj)" method and does not override it

Correct answer: **B.**
You chose: **D.**

This question displayed answers in random order during the test.

    A. Runnable

➜ **B.** Enum

    C. StringBuffer

✗ **D.** String

Which of the following statement is false?

Correct answer: **A.**
You chose: **D.**

This question displayed answers in random order during the test.

➡ **A.** Checked & Unchecked exception are detected or occur only in run-time

    B. throws key word is for satisfying javac instead of java

    C. javac by default handles the checked exceptions instead of unchecked exception

✗ **D.** finally block always survives except System.exit(0)

Points: 0 / 1

Which of these is used as a default for member of a class if no access specifier is used for it?

Correct answer: **C.**
You chose: **D.**

This question displayed answers in random order during the test.

    A. private

    B. auto

➡ **C.** default

✗ **D.** public

Question 39 of 40

int x=100;
int this example, Literal(Constant) is:

Correct answer: **B.**
You chose: **B.**

This question displayed answers in random order during the test.

    A. int

✓ **B.** 100

    C. x

    D. =

Points: 1 / 1

Question 40 of 40

Collections.emptySet() is used to get

Correct answer: **D.**
You chose: **A.**

This question displayed answers in random order during the test.

✗ **A.** No Such Method

    B. Mutuable HashSet

    C. Non-Serializable Set

➡ **D.** Immutable Set