

## Student Result

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**Exam:** JAVA\_Placement

**Score:** 20.0/50.0

**Percentage:** 40.00%

### Question-wise Summary

Sr.no	Question	Selected Answer	Correct Answer
1	Find the output of the given while loop.	6	6
2	How many times does the print statement execute in this nested loop?	3	3
3	Calculate the final output of the code snippet.	15	15
4	What will be the output after values are swapped?	20 10	20 10

5	<p>Predict the output for this Fibonacci-like loop.</p>	8	8
6	<p>Find the count of numbers divisible by 3 or 5 between 1 to 10.</p>	3	5
7	<p>What is the final sum of the squares loop?</p>	55	55
8	<p>Determine the output of this nested if-else block.</p>	C	B
9	<p>What is the output when the loop encounters a break statement?</p>	2000 1 2	2000 1 2

10	Find the total iterations of the nested loop (x value).	10	10
11	Time complexity of a single loop?	O(log n)	O(n)
12	Nested loop complexity?	O(n)	O(n <sup>2</sup> )
13	Binary search complexity?	O(1)	O(log n)
14	Best case HashMap get() complexity?	O(log n)	O(1)
15	Which of the following is the fastest complexity?	O(n log n)	O(log n)
16	Root class of all exceptions in Java?	Throwable	Throwable

17	Which of these is an Unchecked exception?	NullPointerException	NullPointerException
18	What is the purpose of the finally block?	Stop JVM	Cleanup
19	Is a try block without a catch possible?	Always	Yes with finally
20	Keyword used to explicitly throw an exception?	throw	throw
21	Which collection allows duplicate elements?	Map	List
22	Which Set maintains insertion order?	HashSet	LinkedHashSet

23	How many null keys are allowed in a HashMap?	2	1
24	Which of these is a synchronized collection?	HashMap	Vector
25	Root interface of the Collection Framework?	Collection	Collection
26	Method overriding is an example of?	Inheritance	Polymorphism
27	Keyword used to prevent inheritance?	static	final
28	Data hiding is primarily achieved by?	Polymorphism	Encapsulation
29	Can an abstract class have a constructor?	Only static	Yes

30	Multiple inheritance in Java is achieved using?	Objects	Interfaces
31	Stream API was introduced in which Java version?	Java 6	Java 8
32	Which of these is a Terminal operation in Streams?	filter	collect
33	Stream operations are generally?	Static	Lazy
34	Method used to transform/map elements in a Stream?	reduce	map
35	What does the <code>findFirst()</code> method return?	Optional	Optional

36	In which package is the Comparable interface found?	java.lang	java.lang
37	Comparator is primarily used for?	Hashing	Custom sort
38	Which method is defined in the Comparable interface?	equals	compareTo
39	What provides platform independence in Java?	JDK	Bytecode
40	Which code calculates the total salary of active employees?	Option B	Option B
41	What is the main purpose of hashing?	Fast lookup	Fast lookup

42	Which method is used for hashing in Java?	hashCode	hashCode
43	What will be the size of the HashSet in the given code?	3	1
44	Time complexity of the given nested loop ( $j = j * 2$ )?	$O(n \log n)$	$O(n \log n)$
45	What is the time complexity?	$O(n \log n)$	$O(n^2)$
46	What is the time complexity?	$O(n^2)$	$O(n^2 \log n)$
47	What is the time complexity?	$O(\log n)$	$O(n \log n)$
48	What is the time complexity?	$O(n^2)$	$O(n^2)$

49	<pre>Thread t = new Thread() -&gt; System.out.println("Run"); t.run();</pre>	<p><b>Runs in main thread</b></p>	<p><b>Runs in main thread</b></p>
50	<p>What is the result of class C implementing interfaces A and B?</p>	<p><b>A B</b></p>	<p><b>Compilation error</b></p>