

## Student Result

**Student Name:** Saurav Kumar

**Exam:** JAVA\_Placement

**Score:** 1.0/50.0

**Percentage:** 2.00%

### Question-wise Summary

| Sr.no | Question                                                             | Selected Answer     | Correct Answer |
|-------|----------------------------------------------------------------------|---------------------|----------------|
| 1     | Find the output of the given while loop.                             | <i>Not Answered</i> | <b>6</b>       |
| 2     | How many times does the print statement execute in this nested loop? | <i>Not Answered</i> | <b>3</b>       |
| 3     | Calculate the final output of the code snippet.                      | <i>Not Answered</i> | <b>15</b>      |
| 4     | What will be the output after values are swapped?                    | <i>Not Answered</i> | <b>20 10</b>   |

|   |                                                                |                     |                 |
|---|----------------------------------------------------------------|---------------------|-----------------|
| 5 | Predict the output for this Fibonacci-like loop.               | <i>Not Answered</i> | <b>8</b>        |
| 6 | Find the count of numbers divisible by 3 or 5 between 1 to 10. | <i>Not Answered</i> | <b>5</b>        |
| 7 | What is the final sum of the squares loop?                     | <i>Not Answered</i> | <b>55</b>       |
| 8 | Determine the output of this nested if-else block.             | <i>Not Answered</i> | <b>B</b>        |
| 9 | What is the output when the loop encounters a break statement? | <i>Not Answered</i> | <b>2000 1 2</b> |

|    |                                                         |                     |                         |
|----|---------------------------------------------------------|---------------------|-------------------------|
| 10 | Find the total iterations of the nested loop (x value). | <i>Not Answered</i> | <b>10</b>               |
| 11 | Time complexity of a single loop?                       | <i>Not Answered</i> | <b>O(n)</b>             |
| 12 | Nested loop complexity?                                 | <i>Not Answered</i> | <b>O(n<sup>2</sup>)</b> |
| 13 | Binary search complexity?                               | <i>Not Answered</i> | <b>O(log n)</b>         |
| 14 | Best case HashMap get() complexity?                     | <i>Not Answered</i> | <b>O(1)</b>             |
| 15 | Which of the following is the fastest complexity?       | <i>Not Answered</i> | <b>O(log n)</b>         |
| 16 | Root class of all exceptions in Java?                   | <i>Not Answered</i> | <b>Throwable</b>        |

|    |                                                |                     |                             |
|----|------------------------------------------------|---------------------|-----------------------------|
| 17 | Which of these is an Unchecked exception?      | <i>Not Answered</i> | <b>NullPointerException</b> |
| 18 | What is the purpose of the finally block?      | <i>Not Answered</i> | <b>Cleanup</b>              |
| 19 | Is a try block without a catch possible?       | <i>Not Answered</i> | <b>Yes with finally</b>     |
| 20 | Keyword used to explicitly throw an exception? | <i>Not Answered</i> | <b>throw</b>                |
| 21 | Which collection allows duplicate elements?    | <i>Not Answered</i> | <b>List</b>                 |
| 22 | Which Set maintains insertion order?           | <i>Not Answered</i> | <b>LinkedHashSet</b>        |

|    |                                              |                     |               |
|----|----------------------------------------------|---------------------|---------------|
| 23 | How many null keys are allowed in a HashMap? | <i>Not Answered</i> | 1             |
| 24 | Which of these is a synchronized collection? | <i>Not Answered</i> | Vector        |
| 25 | Root interface of the Collection Framework?  | <i>Not Answered</i> | Collection    |
| 26 | Method overriding is an example of?          | <i>Not Answered</i> | Polymorphism  |
| 27 | Keyword used to prevent inheritance?         | <i>Not Answered</i> | final         |
| 28 | Data hiding is primarily achieved by?        | <i>Not Answered</i> | Encapsulation |
| 29 | Can an abstract class have a constructor?    | <i>Not Answered</i> | Yes           |

|    |                                                       |                     |                   |
|----|-------------------------------------------------------|---------------------|-------------------|
| 30 | Multiple inheritance in Java is achieved using?       | <i>Not Answered</i> | <b>Interfaces</b> |
| 31 | Stream API was introduced in which Java version?      | <i>Not Answered</i> | <b>Java 8</b>     |
| 32 | Which of these is a Terminal operation in Streams?    | <i>Not Answered</i> | <b>collect</b>    |
| 33 | Stream operations are generally?                      | <i>Not Answered</i> | <b>Lazy</b>       |
| 34 | Method used to transform/map elements in a Stream?    | <i>Not Answered</i> | <b>map</b>        |
| 35 | What does the <code>findFirst()</code> method return? | <i>Not Answered</i> | <b>Optional</b>   |

|    |                                                             |                     |                    |
|----|-------------------------------------------------------------|---------------------|--------------------|
| 36 | In which package is the Comparable interface found?         | <i>Not Answered</i> | <b>java.lang</b>   |
| 37 | Comparator is primarily used for?                           | <i>Not Answered</i> | <b>Custom sort</b> |
| 38 | Which method is defined in the Comparable interface?        | <i>Not Answered</i> | <b>compareTo</b>   |
| 39 | What provides platform independence in Java?                | <i>Not Answered</i> | <b>Bytecode</b>    |
| 40 | Which code calculates the total salary of active employees? | <b>Option B</b>     | <b>Option B</b>    |
| 41 | What is the main purpose of hashing?                        | <i>Not Answered</i> | <b>Fast lookup</b> |

|    |                                                           |                     |                                   |
|----|-----------------------------------------------------------|---------------------|-----------------------------------|
| 42 | Which method is used for hashing in Java?                 | <i>Not Answered</i> | <b>hashCode</b>                   |
| 43 | What will be the size of the HashSet in the given code?   | <i>Not Answered</i> | <b>1</b>                          |
| 44 | Time complexity of the given nested loop ( $j = j * 2$ )? | <i>Not Answered</i> | <b><math>O(n \log n)</math></b>   |
| 45 | What is the time complexity?                              | <i>Not Answered</i> | <b><math>O(n^2)</math></b>        |
| 46 | What is the time complexity?                              | <i>Not Answered</i> | <b><math>O(n^2 \log n)</math></b> |
| 47 | What is the time complexity?                              | <i>Not Answered</i> | <b><math>O(n \log n)</math></b>   |
| 48 | What is the time complexity?                              | <i>Not Answered</i> | <b><math>O(n^2)</math></b>        |

|    |                                                                                               |                         |                                    |
|----|-----------------------------------------------------------------------------------------------|-------------------------|------------------------------------|
| 49 | <pre>Thread t = new Thread() -&gt; System.out.println("Run"); t.run();</pre>                  | <i>Not<br/>Answered</i> | <b>Runs in<br/>main<br/>thread</b> |
| 50 | <p>What is<br/>the result<br/>of class<br/>C<br/>implementing<br/>interfaces<br/>A and B?</p> | <i>Not<br/>Answered</i> | <b>Compilation<br/>error</b>       |