

# GRADING SHEET FOR IDMA ORAL EXAM JUNE 2025

We start by choosing a random number using <https://www.random.org/>, determining in which order questions are presented.

You should not expect to get through all of the questions in the oral exam question set.

You can always ask to skip forward to the next question, or flip back to a previous question.

At the end of the exam, you will be assessed on how many questions you were presented with and how well you answered them.

Whether you solve a problem or not is not a binary yes-or-no question.

There will be a dialogue, and we will take into consideration how well you reason, even if you do not manage to solve a problem.

| Time          | User ID | Name                           | NUMBER | Algorithms   | Logic   | Relations                      | Combinatorics                     | Sorting   | Graphs  | GRADE | Note             |
|---------------|---------|--------------------------------|--------|--|---|--------------------------------|-----------------------------------|---|---|-------|------------------|
| JUNE 25, 2025 |         |                                |        |  |   |                                |                                   |   |   |       |                  |
| 13:00         | QJH771  | Mortensen, William Risgaard    | 3      | <del>signatures</del><br><del>1- and 6- nok</del><br><del>SKIP</del> |   |                                | Implement (1- and 6- nok)<br>SKIP |   | Dijkstra Shortest Path<br>Shortest path algorithm<br>DFS wrong            | 00    |                  |
| 13:30         | XSV967  | Thuesen, Jeanette Vahr         | 3      | Zero understanding<br>of algo<br>linear time                         |   |                                | SKIP                              |   | DFS ok, no start<br>or finishing<br>Dijkstra NO data<br>time limit but OK | 00    |                  |
| JUNE 30, 2025 |         |                                |        |  |   |                                |                                   |   |   |       |                  |
| 920 09:00     | DRX515  | Damkjær-Bruun, Emilie Michelle | 4      |  | Over tables<br>Perfect                                |                                | Answer<br>extra question<br>also  | Dijkstra<br>o/w good  | DFS shortest<br>edge weights<br>Dijkstra = best<br>time not clear         | 10    |                  |
| 1002 09:30    | NVM924  | Hovgaard, Line Thorup          | 2      | First 8 rows<br>4 rows<br>OK with x-matrix                           | M, OK, M2 OK<br>with some guidance<br>M2 not possible |                                | 1-a wrong<br>2-b                  | Split OK<br>Merge failed<br>O(n log n)                        |   | 10    |                  |
| 10:00         | KHM950  | Mortensen, Leonora Batoosingh  | 2      | Minor slips<br>but ok OK   | Points OK, rep<br>Does M2<br>Does rows jump           |                                |                                   | Split OK<br>Merge OK<br>O(n log n) with                       | sampled of<br>ex  | 7     |                  |
| 10:00         | ZMR518  | Andreasen, Thomas Krüger       | 4      |  |   | M2 OK                          |                                   | Split confused<br>Doesn't really OK<br>Merge OK<br>O(n log n) |   | 4     | Expected no-show |
| 1109 10:30    | LMQ466  | Nielsen, Felix Herforth        | 2      |  | OK  | M1, OK<br>M2 with some<br>work |                                   | without<br>explanation  |   | 10    |                  |
| 11:00         | PZG908  | Abou-Hayt, Jasmin Imad         | 3      | Confused says<br>B copy of A   |   | \$                             | SKIP                              |   | Confused then<br>SKIP   | -3    |                  |

| Time             | User ID      | Name                              | NUMBER        | Algorithms  | Logic   | Relations  | Combinatorics  | Sorting   | Graphs   | GRADE        | Note             |
|------------------|--------------|-----------------------------------|---------------|---|---|--|--|---|--|--------------|------------------|
| 12 <sup>00</sup> | 11:30 LQS211 | Hansen, Alberte Pløger            | 4             | Simple but does<br>algorithms OK  | 1st formula with<br>lots of help<br>finally OK                      |  |  |   | DFS confused<br>but finally OK<br>Stress on Dijkstra           | 2            |                  |
| 12 <sup>55</sup> | 12:00 XWJ436 | Henriksen, Simon                  | 1             | Explains meaning<br>Does not improve                                    |   |  | $\binom{n}{k} = n! / k!$<br>cannot explain<br>1-a    |   |  | 00           |                  |
| 13 <sup>45</sup> | 12:00 JSX430 | Ismail, Sabrina khalid            | 4             |   | Implication wrong<br>wrongly explain<br>tricky to be wrong<br>SKIPS |  |  |   | DFS confused<br>finally correct<br>Dijkstra and not<br>correct | 00           | Expected no-show |
| 14 <sup>20</sup> | 12:30 TCP541 | Ismaili, Jora                     | 1             | Needs some<br>help, but then<br>does PERFECT<br>with correct<br>example |   |  | Does 1-c<br>with some help<br>(k) answer             |   |  | 7            |                  |
| 14 <sup>53</sup> | 13:00 DHG991 | Kho, Izabela Emelia               | 2             |   | Perfect   | M <sub>1</sub> , M <sub>2</sub> correct<br>with minor help<br>Says no for M <sub>2</sub> |  | Split OK<br>Merge OK<br>O(n log n) but no explain |  | 12           |                  |
|                  | 13:30 MXQ470 | Kristensen, Kristian Aksel Ertner | NOT 2         |   |   |  | Focus in notes for<br>$\binom{n}{k}$ 1-c, 2-b<br>3-a |   | DFS backtracking<br>confused<br>Dijkstra not<br>described      | 10           |                  |
| 15 <sup>57</sup> | 14:00 PLT271 | Oldenburg, Viktor Sand            | 1             | Needs some help<br>Time complexity<br>Otherwise perfect                 |   |  | $\binom{n}{k} = n! / k!$<br>1-c<br>2-b               |   |  | 7            |                  |
|                  | 14:00 MKJ655 | Plesner, Andrea Nikoline          | <del>11</del> | <del></del>   | <del></del>   | <del></del>  | <del></del>  | <del></del>                                       | <del></del>  | <del>6</del> | Expected no-show |
| 16 <sup>20</sup> | 14:30 MXC836 | mxc836 <i>Mads Yanghuagong</i>    | 3             |   |   |  | With some help<br>$\binom{n}{k}$ OK 2-b<br>3-a 1-c   | making<br>7-d                                     | DFS OK<br>Dijkstra OK<br>except paths                          | 7            |                  |
|                  | 15:00 GDB373 | Frstrup, Aksel                    | 3             |   |   |  | 1-a then 1-c<br>2-b 3-a                              |   | DFS bit confused<br>finishing times                            | 4            |                  |

merged up  
Dijkstra bit confused but  
mostly OK. No shortest  
path reconstruction