



## General instructions: Theoretical Examination

The theory exam lasts 5 hours and is worth a total of 30 points.

The beginning and end of the examination will be indicated by a sound signal. You must not open the envelopes containing the problems before the sound signal indicating the beginning of the competition. There will be announcements every hour indicating the elapsed time, as well as fifteen minutes before the end of the examination (before the final sound signal).

### During the exam

- Use only the pen provided.
- Dedicated answer sheets (marked A) are provided for writing the final answers. There are extra blank working sheets (marked W) for detailed solutions. **Be sure to always use the working sheets that belong to the problem you are currently working on** (check the problem number in the header). If you have written something on any sheet which you do not want to be graded, cross it out. Only use the front side of every page.
- In your answers, try to be as concise as possible: use equations, logical operators and sketches to illustrate your thoughts whenever possible. Avoid the use of long sentences.
- You may sometimes be able to solve later parts of a problem without having solved the previous ones.
- You are not allowed to leave your working place without permission. If you need any assistance, please draw the attention of a staff member using one of the supplied flags ("WC" if you need to go to the toilet, "H2O" if you need more water or "Help!" for paper or any other issue).

### At the end of the exam

- At the end of the examination, you must stop writing immediately.
- For every problem, sort the corresponding sheets in the following order: cover sheet (C) at the top, questions (Q), answer sheets (A) and finally working sheets (W), including any empty or extra sheets (Z) at the bottom.
- Put all the sheets belonging to one problem into the same envelope. Also hand in empty sheets. Make sure your student code is visible in the viewing window of each envelope. Put the envelopes containing your papers, together with this instructions page, inside the big envelope. You are not allowed to take any sheets of paper out of the examination area.
- Leave your writing equipment on the table.
- Wait at your table until the envelopes are collected. You will be escorted out of the examination area.