

1 . Examination subjects are as listed below.

Group	Examination Subjects
Elective Subject Group A	Physics I (Mechanics) Chemistry I (Thermodynamics/ Chemical Reaction theory/ Chemical equilibrium theory) Bioscience I (Cell biology) Electrical and electronic science I (Electromagnetics)
Elective Subject Group B	Physics II (Mechanics) Chemistry II (Thermodynamics/ Chemical Reaction theory/ Chemical equilibrium theory) Bioscience II (Cell biology) Electrical and electronic science II (Electromagnetics)

2 . Please choose one subject form each Group A and B

3 . Please use a calculator prepared in the examination venue. Do not use your own calculator (a pocket calculator, computer, cellphone, etc.) .

4 . You will have an oral examination on the day of the written examination. Please prepare presentation slides and on the day make a presentation within 9 minutes (presentation 5 min, question and answer 4 min.)

Important Note for the Interview and oral examination

-Preparation of presentation slides

Preparation of presentation slides

Please make presentation slides in accordance with the following instructions. Save the presentation data in an USB flash drive and bring it at the interview and oral examination.

\*Presentation contents and the number of slides

Self-introduction: one page

Your current research and prospective outcomes: three pages

Motivation for applying for 5-year doctoral program: one page

Career plan and a sort of a person you want to become: one page

\*Presentation slides data file

Please use Microsoft PowerPoint for the presentation slides and bring it with an USB flash drive.

Please put the name as a following instruction

File name: admission ID number (5 digits) family name (small letter)\_first name( small letter)190709

A PC with Windows OS will be prepared on the day.

\*How to make a presentation and the allotted time for the interview

Your presentation slides will be installed in the prepared PC and after installing, the data cannot be changed.

Each applicant has nine minutes for the interview

Presentation: five minutes / Question and Answer: four minutes

You cannot use anything but slides on a screen for making a presentation.

\*The order of the interview

The order of the interview for each applicant will be notified on the day

After the instruction, applicants cannot be go out of a waiting room until one's turn will come.

• Applicants do not need to come back to the waiting room, once one has finished the interview.