**Personal Statement: Part B  
Topics of Interest**

**(if you have selected “Science & Applied Science” as your first choice**

**in “10. Desired Area(s) of Study” in online application form)**

Applicant’s full name:

*Complete all sections in English. Respond to all questions. Part A and Part B should be written in an essay format.*

*Although you may consult teachers, counselors, and friends, all final writing must be your own words. If we find*

*plagiarism, including material copied from websites, your application will not be considered any further. If you*

*advance to the interview stage, you may be asked to answer questions or elaborate on your statement.* *Use 12-point font single-space (Times New Roman preferred).*

Explain any two of the following topics in one A4 sheet or within the specified frame:

・ The possible results when water and ice of the same mass are mixed. Consider the specific heat of water 4.2 J/(g·K), the specific heat of ice 2.1 J/(g·K), and the heat of fusion of ice 330 J/g.

・ Why do the artificial satellites not fall to earth?

・ The relationship between carbon dioxide emissions and global warming.

・ The color of light that is generated when a substance burns or becomes extremely hot.

・ The process by which proteins are synthesized from DNA.

Note: Set and specify the detailed conditions necessary to explain the problem. Also, explain other phenomena that occur by the same principle.