

**Graduate School of
System Design and Management**

KEIO UNIVERSITY

2019 Admission Application, Period II

Essay-type Examination

Caution:

**The subject of the essay-type examination is printed on the next one page.
Please do not open this paper until the start sign has been given.**

[Essay Subject]

The question is how best one should build resilient and robust infrastructures. You must analyze the question under multiple viewpoints, discuss it, and make your opinions articulate as regards its design, operation, maintenance, and relevant socio-political backdrops and put them down in 500 words, no more and no less.

Of late, major natural disasters -- typhoons, floods, earthquakes and forest fires -- cause massive damages to the infrastructures that provide utility services, ranging from electricity, gas, water, telephone to the internet connection, which is the background for the question. The infrastructure to be built must be able to weather the natural disaster with minimal damage done to it.