

Fall Special Entrance Examination
For April 2015 students

Master's Course
(Short Essay)

Notes

- Name and ID should be written on each answer sheet.

Division of Biosphere Science
Graduate School of Environmental Science
Hokkaido University

Human impacts on natural ecosystems occur in various ways, such as by:

- 1: Overexploitation of some organisms that are useful as resources
- 2: Deterioration of air, soil and water quality as a result of agriculture and industry
- 3: Physical destruction of natural habitats, such as by conversion of forest to farmland, urbanization, construction of dams and seawalls, land reclamation, etc.
- 4: Problems associated with artificial introduction of non-native species
- 5: Problems associated with global climate changes, such as temperature rise, ocean acidification and increasing intensity of storm activities

Assume that you have a chance to study about these problems of human-induced impacts on natural ecosystems for a period of 2 years. Write your research plan for each of the 3 following points:

- A: Objectives (background, purposes, and novelty of your plan)
- B: Methods (for both the 1st and 2nd year)
- C: Expected results and their significance (outcome)

Write the plan within 2 pages. You can also include figures and tables.