

北海道大学大学院環境科学院
環境起学専攻
人間・生態システムコース

Course in Human and Ecological Systems
Division of Environmental Science Development
Graduate School of Environmental Science, Hokkaido University

令和5年度4月入学大学院修士課程入学試験問題（春季入試）
Entrance Examination

専門科目
Specialized Subject
[留学生用]
[For International Students]

- All the questions must be answered in English.
- The backside of the answer sheet can be used if necessary.

February 20, 2023

Question Regarding the researches in the Course in Human and Ecological Systems, choose 8 among the following terms and descriptions, write the number that you choose, and explain each of them in 3-4 lines.

1. Difference between deep-seated landslide and shallow landslide
2. Solifluction terrace
3. Incised meander
4. Formation of back marsh and natural levee
5. Sand spit
6. Atoll
7. Difference between mesa, butte, and cuesta
8. Difference between U-shaped valley, V-shaped valley, and tectonic (structural) valley
9. Landscape
10. Marginal land
11. Planetary wave
12. Level of free convection
13. Bright band
14. Atmospheric boundary layer
15. Virtual temperature
16. Eutrophication of water bodies
17. Regime shift
18. Difference between food chain and food web
19. Difference between nature restoration and environmental conservation
20. Genetic drift
21. Difference between population and community
22. Trophic levels in an ecosystem
23. 30 by 30
24. OECM
25. Species reintroduction
26. Climatic climax
27. Biological weathering
28. Biomass profile
29. Vegetative reproduction
30. Tree-ring analysis

