

1. The ultimate fate for a species under the potential or actual threats of continuous **global warming** may be extinction. In addition, it could also result in changes in several different aspects of the biology of a species. Please list five major aspects and briefly describe them by providing examples (25%).

2. The so-called "Ecotourism" is often promoted as a tool for conservation and sustainable development, without truly understanding the essences. Please discuss the negative impacts of tourism (or ecotourism), at **socio-economic, cultural, and environmental** aspects, toward the places being visited (15%).

3. What are the causes for plant endangerment? (10%)

4. Give three evaluation techniques for the economic value of biodiversity. (10%)

5. Briefly describe the following acronyms (10%)

A. EDIT

B. IUCN

C. TESRI

D. TaiBIF

6. Please define the following terms (5% EACH)

A. restoration

B. habitat fragmentation

C. outcrossing depression

D. random genetic drift

E. heterozygosity deficiency

F. monophyletic group