本試題是否可以使用計算機：□可使用，☒不可使用　（請命題老師勾選）

2006 Entrance examination for biodiversity master's program—conservation biology

I. Explanation of terms: (5% each, total 50%)

1. indicator species
2. minimum viable population
3. SLOSS (single large or several small) debate
4. synergistic interaction
5. sustainable development
6. bottleneck effect
7. population fragmentation
8. Hardy-Weinberg equilibrium
9. heterozygosity
10. extinction

II. From, and only from, the perspectives of conservation biology, discuss why we should or shouldn't introduce giant pandas from China to our zoos? (10%)

III. What is ecotourism? How can ecotourism contribute to conservation? And why and how this approach may fail or cause more damage? (15%)

IV. Until recently, the number of living species on the earth was thought to be 3-5 million species. In your opinion, what is the best approach for estimate of the global total of species? How about census a number of permanent plots? (15%)

V. What is conservation biology? What is the Nature Conservancy's relationship to conservation? (10%)