

# 國立嘉義大學九十一學年度轉學生招生考試試題

科目：生物學

(請將答案寫在答案卷上)

1. Terminology (25%)

- a. Types of modified stems
- b. Hardy-Weinberg equilibrium
- c. Molecular clock
- d. Succession
- e. Zones of root

2. What is biodiversity? Please indicate the factors responsible for losing biodiversity? (25%)

3. Insects have dated back to the Devonian period according to fossil record. In species diversity, insects outnumber all other forms of life combined. Please write down what you have known about insects. (25%)

4. Natural selection can affect the frequency of heritable trait in a population in three different ways. Please describe these three modes of selection. (25%)