

慈濟大學 95 學年度  
研究所碩士班招生考試命題紙

科目：生態學

共1頁

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1. Please define the following terms (3% x 6)
    - (1) Home range
    - (2) Polyandry
    - (3) Keystone species
    - (4) Succession
    - (5) Intermediate disturbance hypothesis
    - (6) Realized niche
  2. What is a cohort life table (2%)? What do we have and what can we know from this table (6%)? We can use time-specific life table to approximate the true cohort life table. What could be the problem of doing that? (4%)
  3. Scramble competition and contest competition are two types of intraspecific competition. What are the differences between them? (6%) If the competition is strong, what could be the outcome of these two types of competition (6%)?
  4. Please compare mutualism, parasitism and commensalism. (8%)
  5. What is the greenhouse effect and how it influence the energy balance of earth? (10%)
  6. What is natural selection? What conditions are necessary for natural selection to occur? (10%)
  7. Contrast local and regional diversity. (10%)
  8. What is restoration ecology? (10%)
  9. What are the two major food chains, and how are they related? (10%)