

題號： 197  
科目： 環境生態學  
節次： 6

國立臺灣大學 113 學年度碩士班招生考試試題

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共 1 頁之第 1 頁

1. Please explain the following population size variation models, including their assumptions and equations. Please also plot figures to explain.
  - A. Exponential Model (15 分)
  - B. Logistic Model (15 分)
2. Please explain the two basic survival strategies of populations: Strategy r and Strategy K. (10 分)
3. Please plot a figure to explain the Predator-Prey Interaction. (10 分)
4. Why it's important to preserve biodiversity? Please explain the cause, effects/consequences, and possible solutions. (25 分)
5. Provide examples of both mutualistic and antagonistic interactions among organisms in natural ecosystems. Additionally, analyze and explain the ecological and evolutionary implications and outcomes of these interactions. (25 分)

試題隨卷繳回