編號			國立成功大學九十八學年	度碩士班招生考試試題	共 一頁 第一頁
		生命科學系乙組 生態學			考試日期:0308,節次:
*	考生請?	主意:本試題 🗌	可 凹不可 使用計算機		
	所有題	目為簡答題,請多	7長篇申論;答案中之專有2	名詞請附英文	
	1. Defin	ne "the Law of To	erance" in ecology (6%)		
	2. List three major possible factors that can cause Diversity Gradients (6%)				
	3. Distinguish the difference of "r" in a Geometric and a Logistic population growth model (10%)				
	4. Tree growth and net primary production usually decline with the age of a forest. Discuss three major factors that may be responsible for this pattern (12%)				
	5. What is a "Niche" of a species? (10%)				
	6. Based on the currently available best information, the degree of being threatened of each following taxonomic groups, in terms of the number of threatened species relative to the number of				
	_	evaluated, by ord ebrates, plants, it	er (from the most to the leas	it) are: True or false?	
	(b) Rep	tiles, fishes, ampl	nibians, mammals, birds ne correct order in your judg	True or false?	(4%)
	7. What are the two most focused concepts in Non-equilibrium ecological models to explain community dynamics? (8%)				
	8. What	t is "Apparent Co	mpetition"? (6%)		
	9. What	t is "the Tens Rule	e"? (5%)		
			s may or may not live in gro		

(背面仍有題目,請繼續作答)

編號: 74 共二 頁 第二頁 國立成功大學九十八學年度碩士班招生考試試題 系所組別: 生命科學系乙組 考試科目: 生態學 考試日期:0308,節次:2 ※ 考生請注意:本試題 □可 四不可 使用計算機 11. Define "the Law of Conservation of Mass", and discuss how it is related to ecology (10%) 12. The major difference between Keystone Species and Dominant Species (5%) 13. What is the difference between Plant Stress Hypothesis and Plant Vigor Hypothesis in explaining the preference of herbivores feeding on plants (6%)