

國立成功大學

112學年度碩士班招生考試試題

編 號：159

系 所：生物醫學工程學系

科 目：生理學

日 期：0206

節 次：第 1 節

備 註：不可使用計算機

※ 考生請注意：本試題不可使用計算機。請於答案卷(卡)作答，於本試題紙上作答者，不予計分。

1. Please describe the carrier saturation kinetics for molecular transport. (10%)
2. How does protein phosphorylation in some intracellular signaling proteins serve to integrate incoming signals for signal transduction? (15%)
3. Please describe the possible mechanisms for masculinization. (15%)
4. Multiple sclerosis is an autoimmune disease. Please describe the mechanism and symptom of this disease. (15%)
5. Why does slow/deep breathing is better than rapid/shallow breathing based on the theory alveolar ventilation. (15%)
6. Please describe the forces involved in glomerular filtration. (15%)
7. What are the major controls of the secretion of prolactin and oxytocin during breast-feeding. (15%)