

國立成功大學

113學年度碩士班招生考試試題

編 號：288

系 所：護理學系

科 目：生理學

日 期：0202

節 次：第 3 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 maternal responses to pregnancy. (14%)
2. Please describe, as more as you can, the physiological functions of endothelial cells. (14 %)
3. Please describe the functions of cortisol in physiological situation and in stress condition. (12 %)
4. What are the three basic renal processes that lead to the formation of urine after I drink an extra-large cup of pearl milk tea (珍珠奶茶)? (12%)
5. Please list the sequence of events that occurs between the entry of a sound wave into the external auditory canal and the firing of action potentials in the cochlear nerve. (12%)
6. Describe the propagation of an action potential. Contrast this event in the myelinated and unmyelinated axons. (12%)
7. A woman has a heart rate of 70 bpm, a systolic pressure of 120 mmHg, a diastolic pressure of 90 mmHg, and stroke volume 70 mL/beat. What is her pulse pressure and mean arterial pressure? (12%)
8. How are the gastrointestinal processes regulated via neuronal regulation and hormone regulation? (12%)