國立成功大學 105 學年度碩士班招生考試試題

※ 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。

編號: 336

系

所:護理學系

考試科目: 生理學

第1頁,共1頁

考試日期:0228, 節次:3

- 1. Describe in detail the sequence of events between a motor neuron action potential and skeletal-muscle fiber contraction. (15%)
- 2. Explain how electrical stimulation of periventricular nuclei in the hypothalamus suppresses pain signals entering dorsal horns of the spinal cord. (20%)
- 3. Describe how gallstones are formed and the consequences of blocking the common bile duct with a gallstone. (15%)
- 4. What happens to arterial PO₂, PCO₂, and H⁺ concentration during moderate and severe exercise? List other factors that may stimulate ventilation during exercise. (15%)
- 5. Describe the compensatory mechanism of arterial baroreceptor reflex and how the kidney responds to hemorrhage shock. (20%)
- 6. Describe the effects of estrogen and progesterone on the endometrium, myometrium, cervical mucus, and breasts. (15%)