編號: 388

國立成功大學九十七學年度碩士班招生考試試題

共一頁·第一頁

系所:護理學系甲組

科目:生理學

本試題是否可以使用計算機:□可使用

可使用,囚不可使用

(請命壓老師勾選)

考試日期:0302 · 節次:3

- 1. What effect does increasing the frequency of action potential in a skeletal-muscle fiber have upon the force of contraction? Explain the mechanism responsible for this effect. (15%)
- 2. Describe in detail the sequence of events that leads to hyperpolarization of the photoreceptor cell membrane when light shines on the rod cell. (20%)
- 3. Draw a flow diagram summarizing the factors affecting arteriolar radius. (15%)
- 4. What are the two major controls of aldosterone secretion, and what are this hormone's major actions? (15%)
- 5. How does renal hydrogen-ion secretion occur, and how does it achieve renal bicarbonate reabsorption? (15%)
- 6. List five inputs controlling insulin secretion, and state the physiological significance of each. (20%)