國立成功大學107學年度碩士班招生考試試題

編號: 325

系 所:護理學系

考試科目: 生理學 考試日期: 0206,節次: 3

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※ 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. Neurons used electrical and chemical signals to communicate with one another at contact points called synapse.
 - (a) What is action potential? (10%)
 - (b) Explain one kind of synaptic neurotransmission in detail. (10%)
- 2. Please describe the fat absorption across the epithelial cells of the small intestine in detail. (10%)
- 3. Please describe how glucose, triglyceride, and amino acids in GI tract are processed during absorptive and postabsorptive states. (20%)
- 4. Describe the characteristics of the two limbs of the loop of Henle with regard to their transport of sodium ion, chloride ion and water (10%).
- 5. What are major factors determine cardiac output? (10%)
- 6. Which respiration steps occur by diffusion and which by bulk flow? (10%)
- 7. Describe targets and major functions of the six classical anterior pituitary gland hormones. (20%)