編號: 286

## 國立成功大學 109 學年度碩士班招生考試試題

系 所:臨床藥學與藥物科技研究所

考試科目: 牛理學

考試日期:0211, 節次:3

第1頁,共1頁

※ 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 and contrast feedforward feedback and negative feedback. (10%)
- 2. How do hormones influence the concentrations of their own receptors and those of other hormones? How does this explain permissiveness in hormone action? (15%)
- 3. What is hematocrit? What are the determinants of hematocrit? How does variation in hematocrit influence the hemodynamics of blood flow? (15%)
- 4. Explain [1] threshold, [2] the relative refractory periods and [3] absolute refractory periods in terms of the ionic basis of the action potential. (15%)
- 5. Please describe the important contribution of pulmonary surfactant to respiration. (15%)
- 6. Please describe [1] the three basic renal processes that lead to the formation of urine and [2] the sequence of events leading to micturition. (15%)
- 7. Please [1] list the major constituents of bile and [2] describe the major functions of each in digestion. (15%)