編號: 297

國立成功大學 105 學年度碩士班招生考試試題

系 所:生理學研究所

考試科目:生命科學

考試日期:0228,節次:1

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 the "proliferation" and "differentiation", and also compare the difference between these two terms. (15%)
- Cancer is more and more common in modern society. What are cancer cells?
 Please describe how to detect cancer cells. Please show one theoretical strategy to cure the cancer. (15%)
- 3. Please describe how to determine "Dengue fever". (15%)
- 4. PM2.5 shows the severity of air pollution. What is PM2.5? What are resulting effects on the respiratory system? (15%)
- 5. Please describe the difference between spermatogenesis and oocytogenesis during the meiosis. (15%)
- 6. Please show different methods to detect DNA, RNA and protein. (15%)
- 7. You attempt to prepare 3 M NaCl solution. The molecular weights of Na and Cl are 23 and 35.4, respectively. Please describe how to prepare this solution. (10%)