

系所組別：臨床醫學研究所在職專班

考試科目：臨床醫學(專班)

考試日期：0223，節次：3

※ 考生請注意：本試題不可使用計算機

1. Please concisely describe the medical and surgical treatment of diabetes mellitus. (15 points)
2. The Nobel Prize in Physiology/Medicine 2012 was awarded jointly to Sir John B. Gurdon and Shinya Yamanaka for their discovery of iPS. What is iPS? Please give 2 examples of potential clinical application of iPS. (15 points)
3. What is targeted therapy? What is the human disease in which the first clinical application of targeted therapy is documented? Please give two examples of current clinical application of targeted therapy in the treatment of human diseases, in relation to the mechanism and rationale. (20 points)
4. List 5 causes leading to the end stage renal disease and briefly describe the mechanism after each cause. (25 points)
5. Describe briefly bone-marrow hematopoiesis. List and explain 5 potential mechanisms resulting in anemia. (25 points)