

系所組別： 細胞生物與解剖學研究所

考試科目： 生理學

考試日期： 0307，節次： 1

※ 考生請注意：本試題 可 不可 使用計算機**Answer any 5 of the following questions (each 20 points)**

1. Please describe the processes of skeletal muscle contraction (15 points) and relaxation (5 points)
2. Detail describe the composition of peripheral nerve system (10 points) and the function of PNS (10 points)
3. How the "Pain" is sensed (10 points) and passed to the brain (10 points)?
4. Describe the urine formation (10 points) and the controlling factors of storage and release (10 points)
5. Describe the sequential events of excitation-contraction coupling in cardiac cycle (20 points)
6. List 5 factors of hypertension and their regulatory mechanism (4 points for each factor)