

本試題是否可以使用計算機：可使用，不可使用（請命題老師勾選）

1. Please draw a typical neuronal cell with all the organelles included and labeled. Briefly define what they are and what function they provide for cells. (20%)
2. Use an example to explain how phosphorylation can be used to regulate protein activity. (10%)
3. Please give three examples how cells handle denatured proteins (15%)
4. Describe the detail mechanism of muscle contraction (15%).
5. Explain the following terminology: (40%)
  - A) signal sequence
  - B) codon
  - C) Sister chromatid
  - D) membrane potential
  - E) extracellular matrix
  - F) voltage-gated channel
  - G) telomere
  - H) phospholipid