

系所組別：醫學工程研究所丙、丁組

考試科目：生物化學

考試日期：0307，節次：2

※ 考生請注意：本試題 可 不可 使用計算機

1. What is α -helix structure and β -plated sheet structure? (10%)
2. Coenzyme play a key role in some of enzyme reaction, please explain it. (10%)
3. Please write the process of glucose phosphorylation and its meaning in a live cell. (10%)
4. How to play the enzyme activity of a glucose oxidase? (10%)
5. Please describe the gram positive bacteria in detail. (10%)
6. What is insulin and how does it functionize on cell membrane to transport glucose into the cell? (10%)
7. Please describe how cells obtain energy from food in detail. (10%)
8. Flavin families are very important biocompounds. Please describe their roles in our living body (10%)
9. Please make an example to explain the application of affinity chromatography on biochemistry. (10%)
10. Please describe the difference between prokaryotic and eukaryotic cells in detail. (10%).