

國立嘉義大學九十七學年度
生化科技學系碩士班招生考試試題

科目：生物技術

1. What's "industrial enzyme"? Could you give an example applied to a certain industry? How do we use biotech methods to Improve its catalytic ability? (20%)
2. In biotechnology, the identification of the new compound is the most important step. Please describe the major techniques for the chemical identification and also include the functions of techniques. (20%)
3. Define the following terms. (20%)
 - (1) Biotechnology
 - (2) Biotransformation
 - (3) Biopesticide
 - (4) Biofuel
4. When you got a purified gene regulatory protein, how to identify its interacting DNA sequence? (20%)
5. Please describe the principle of immunohistochemistry and its application on biomedical science. (20%)