

國立中央大學99學年度碩士班考試入學試題卷

所別：系統生物與生物資訊研究所碩士班 不分組(一般生) 科目：生物化學 共 / 頁 第 / 頁

本科考試禁用計算器

*請在試卷答案卷(卡)內作答

1. Please define the terms below. 40%

Gene

Protein

Carbohydrate

Lipid

Genome

Proteome

RNA polymerase holoenzyme

Polyribosome

2. Please describe the influence of ionic strength on protein solubility and explain the mechanism. 15%
3. Please describe the influence of ionic strength on DNA hybridization and explain the mechanism. 15%
4. Student: class= (): polypeptide= polypeptide: ()10%
5. Please describe abortive initiation of transcription. 10%
6. RNA process enzymes are recruited by _____ . 5%
7. _____ determines the ribosome structure and catalysis. 5%

參考用