

國立嘉義大學九十五學年度  
生物科技研究所碩士班招生考試試題

科目：細胞生物學

1. 請說明細胞週期 (cell cycle) 之各個階段 (phase)，並介紹其功能。(25%)
2. 請說明受體 (receptor) 之種類、分布，與其活化後的訊息傳遞路徑 (signal transduction pathway)。(25%)
3. Please describe how the *E. coli* tryptophan operon is controlled by attenuation. (25%)
4. Please design a method to demonstrate the mobility of membrane. Why is the unsaturated fatty acid better than the saturated fatty acid in diet for our blood vessel? (25%)