

國立嘉義大學 100 學年度

微生物免疫與生物藥學系碩士班 (甲組) 招生考試試題

科目：有機化學

1. Star all chiral carbon atoms for the following compounds and calculated the possible number of isomers. (20 分)

- (1)                      (2)                      (3)                      (4)

2. Select the best answer for the following questions. (20 分)

(1) Which one is a meso compound?

- (A)                      (B)                      (C)                      (D)

(2) Which would be the major product for the following reaction?

(A)

- (B)                      (C)                      (D)

(3) Which would be the major product for the following reaction?

(A)                      (B)

(C)                      (D)

(4) Which would be the major product for the following reaction?

(A)                      (B)

(C)                      (D)

3. Draw the mechanism for the following reactions. (10 分)

4. Predict the major organic products: (每小題 5 分，計 20 分)