

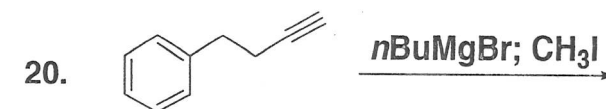
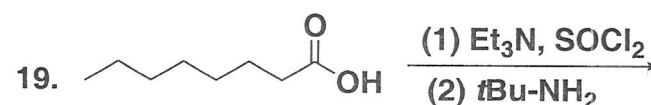
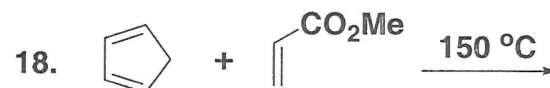
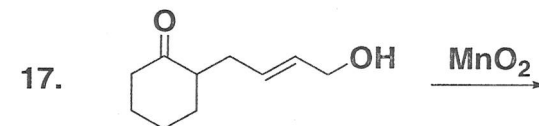
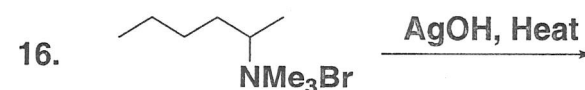
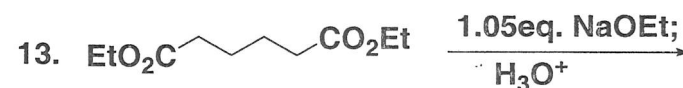
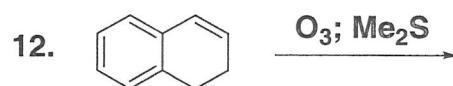
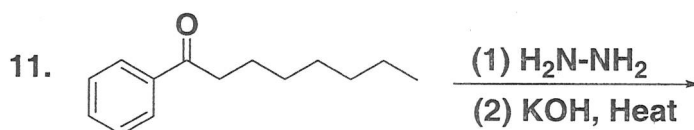
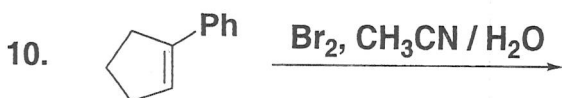
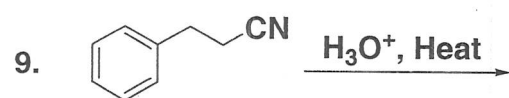
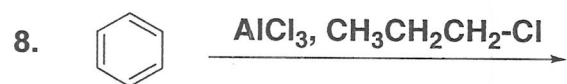
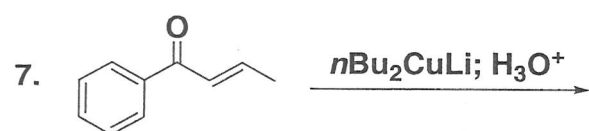
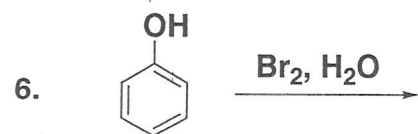
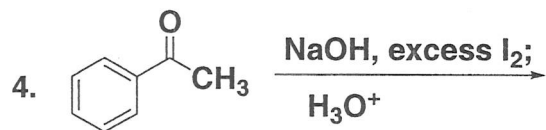
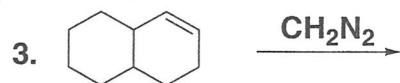
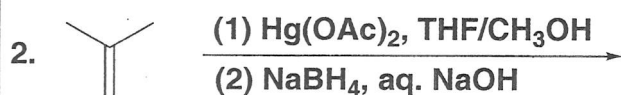
淡江大學 99 學年度轉學生招生考試試題

系別：化學學系三年級

科目：有機化學

本試題共 3 大題，2 頁

A. Show the major product for the following reactions and indicate the stereochemistry of product if necessary. (40pts, 2pts each)

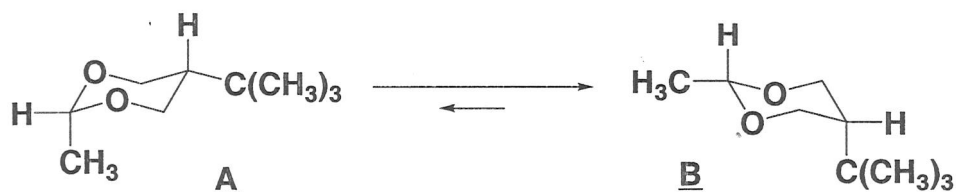


本試題雙面印刷

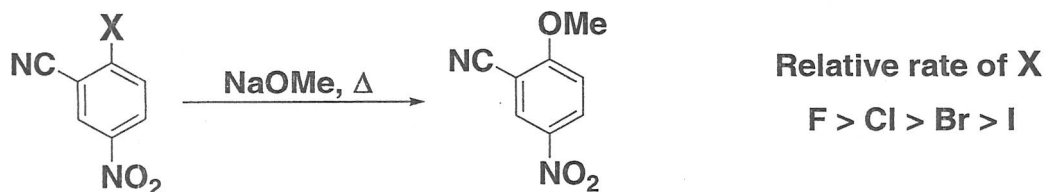
背面尚有試題

B. Explanation (10 pts, 5pts each)

1. Why conformer **B** is more stable than its corresponding conformer **A**?



2. Explain the relative reaction rate of aromatic nucleophilic substitution reaction.



C. Propose the mechanisms of the following reactions. (50 pts, 10pts each)

