

ch 5-1

國立臺北科技大學九十六學年度碩士班招生考試

系所組別：3520 化學工程研究所乙組

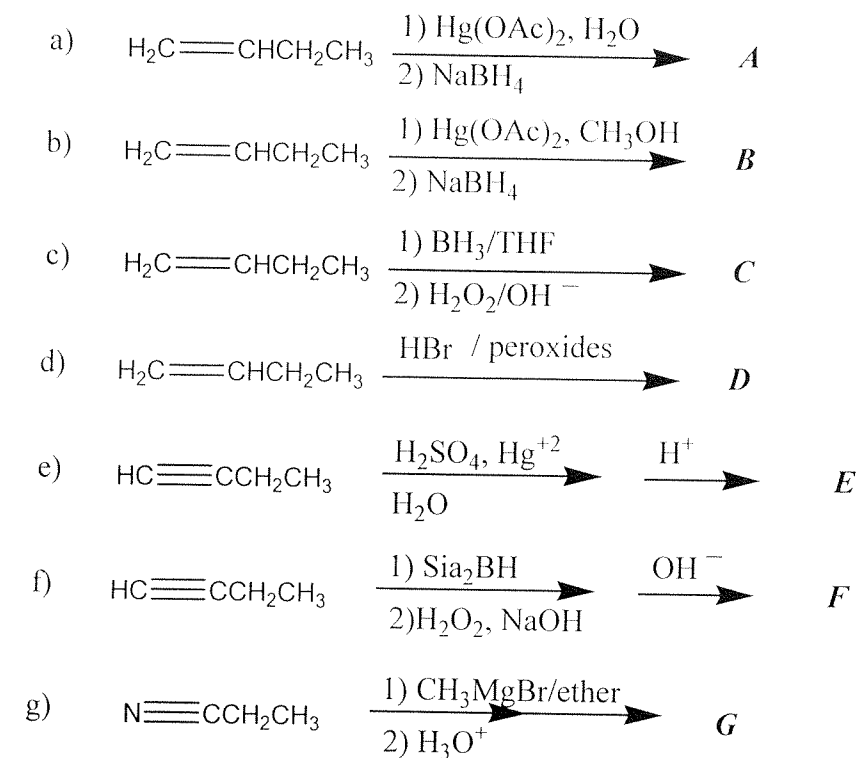
第二節 有機化學 試題

第一頁 共二頁

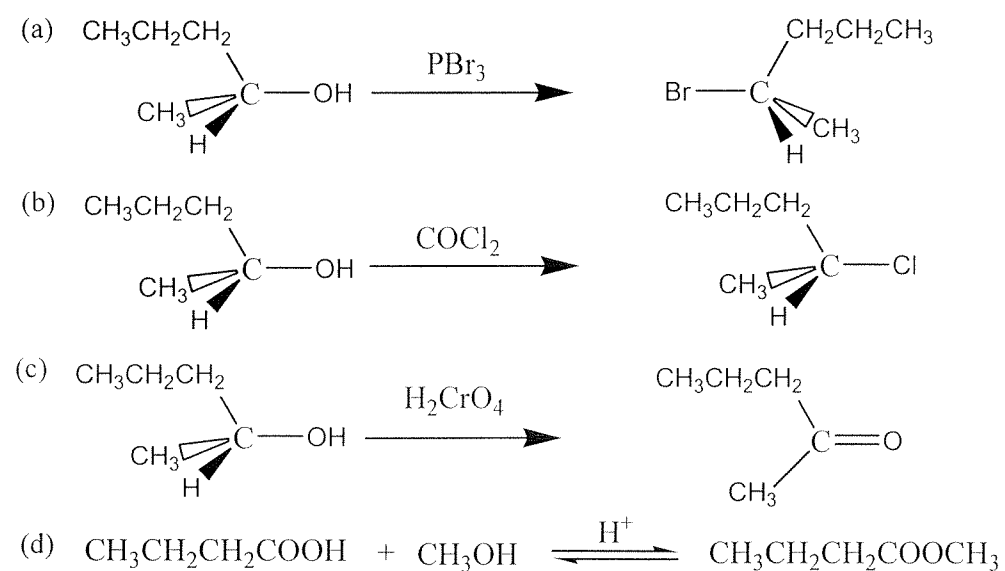
ch 5-2

注意事項：

1. 本試題共四題，配分共 100 分。
2. 請標明大題、子題編號作答，不必抄題。
3. 全部答案均須在答案卷之答案欄內作答，否則不予計分。

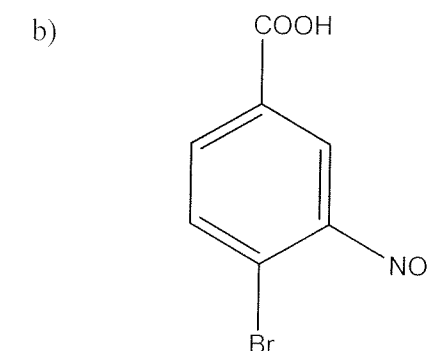
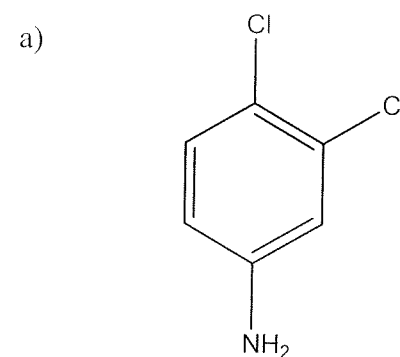


1. Show the mechanism of the following reactions. (40% , each 10%)



2. Show the products of the following reactions. (28% , each 4%)

3. Show how you would synthesize the following compounds, starting with benzene or toluene. (20% , each 10%)



4. The following spectra are taken from a compound that is an important starting material for organic synthesis. Determine the structure. (12%)

注意：背面尚有參考資料

che-3

