

國立臺北科技大學 103 學年度碩士班招生考試

系所組別：3520 化學工程與生物科技系化學工程碩士班乙組

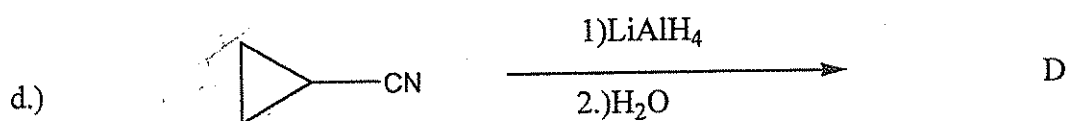
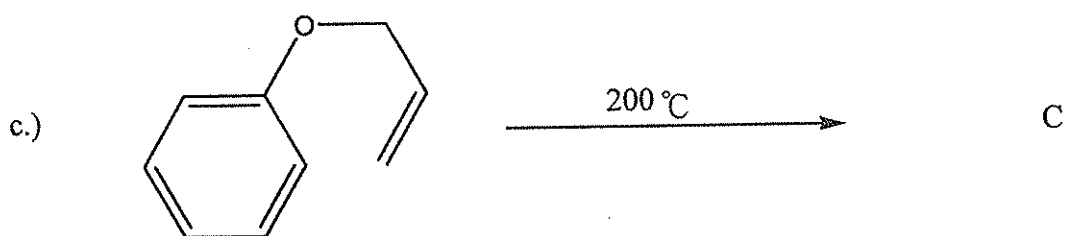
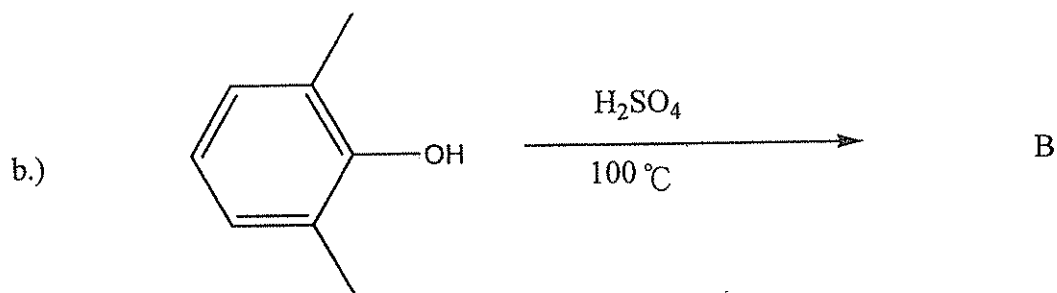
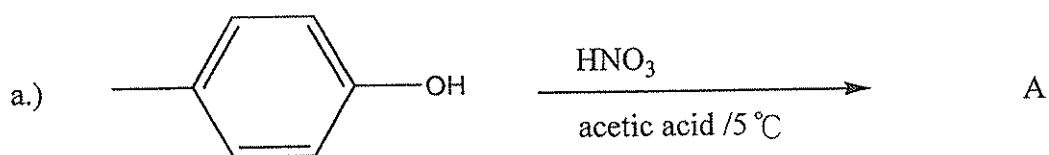
第三節 有機化學 試題

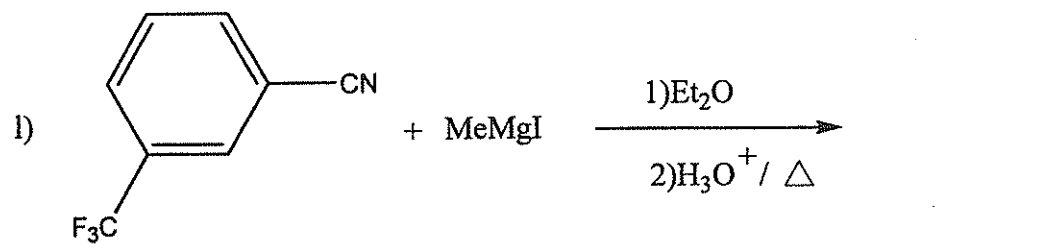
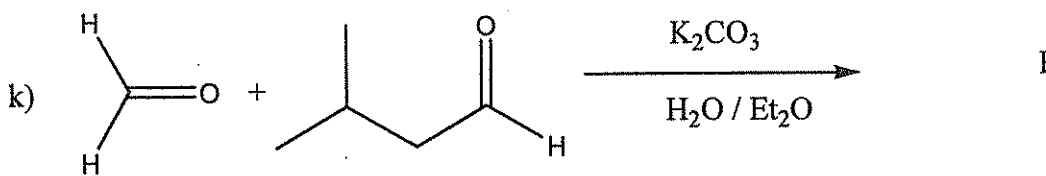
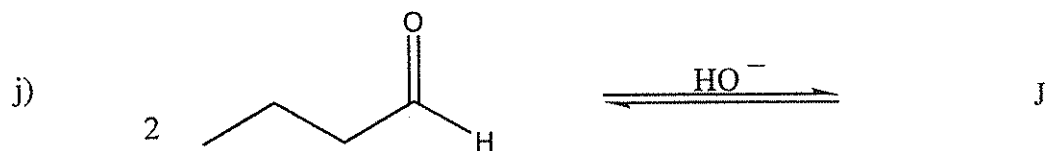
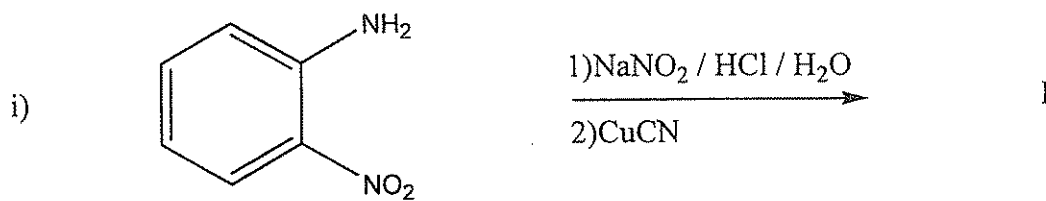
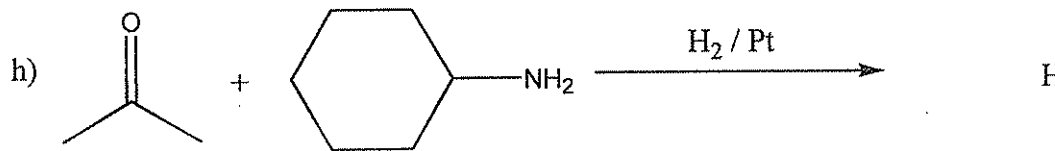
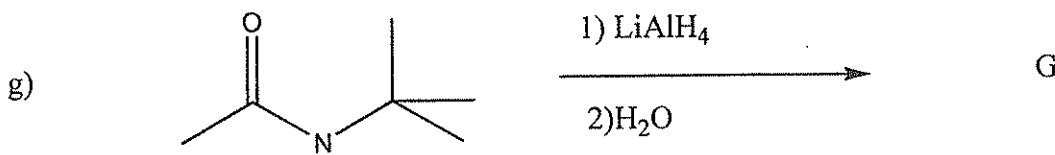
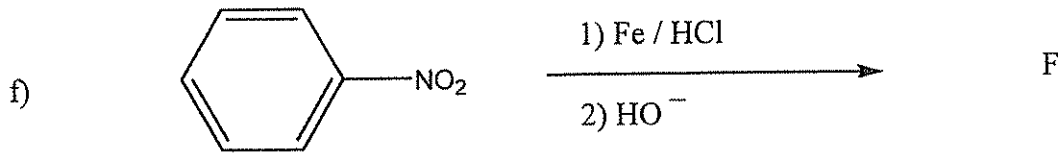
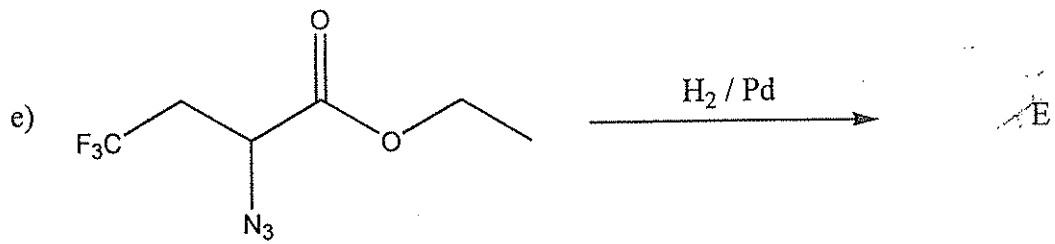
第一頁 共二頁

注意事項：

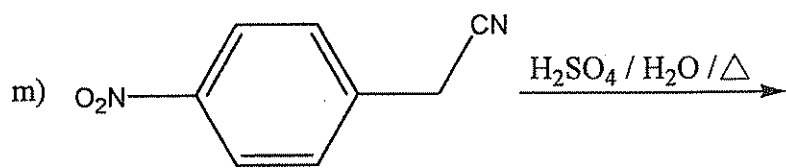
1. 本試題共貳題，配分共 100 分。
2. 請標明大題、子題編號作答，不必抄題。
3. 全部答案均須在答案卷之答案欄內作答，否則不予計分。

1. Show the major product of the following reactions. (3 points each, 60%)

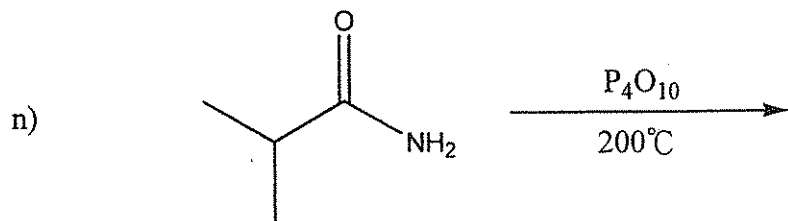




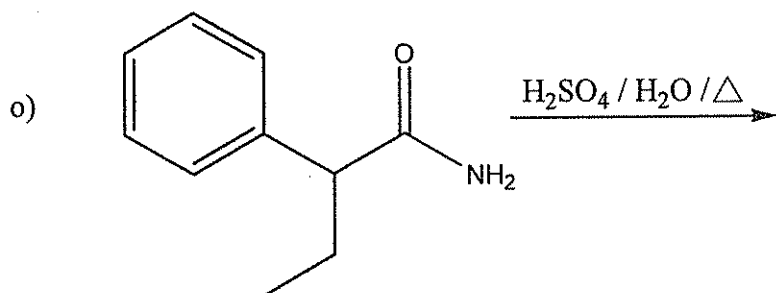
注意：背面尚有試題



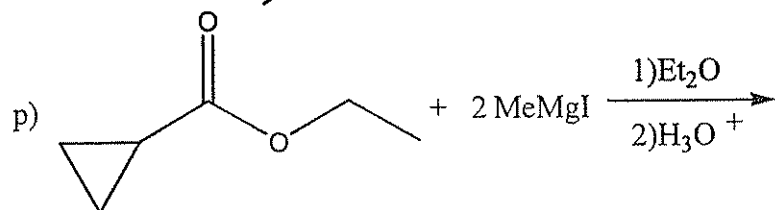
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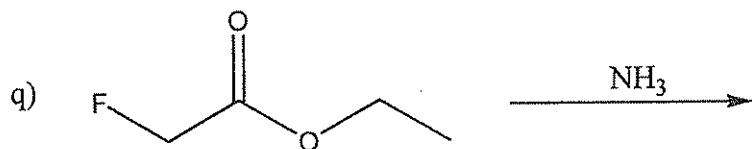
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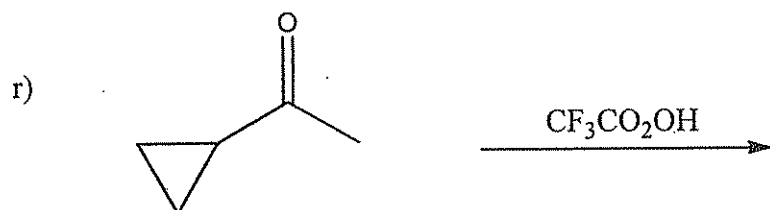
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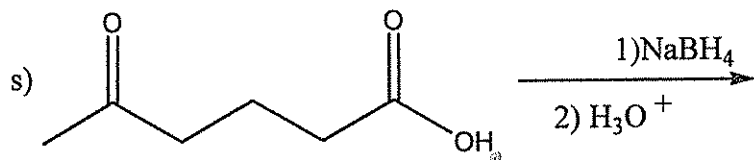
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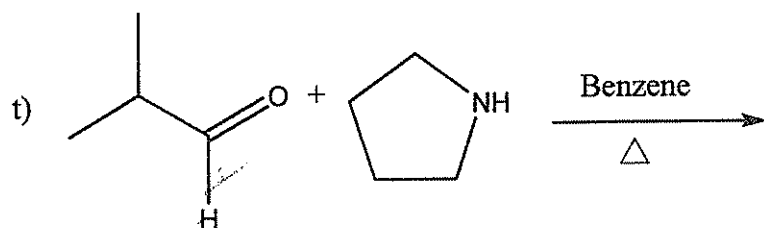
Q



R



S



T

2. Finish the following reactions that may be many steps. (5 points each, 40%)

