

淡江大學九十二學年度轉學生招生考試試題 28-1

系列：化學系三年級

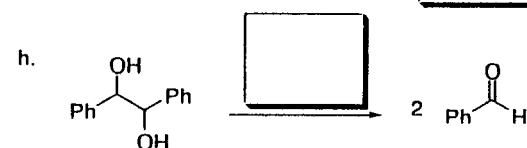
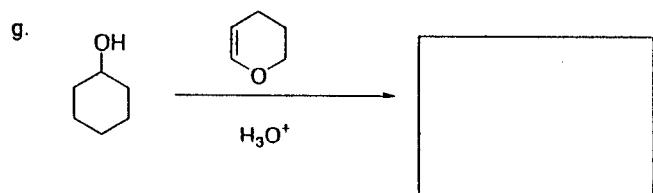
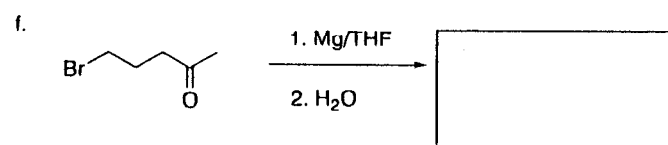
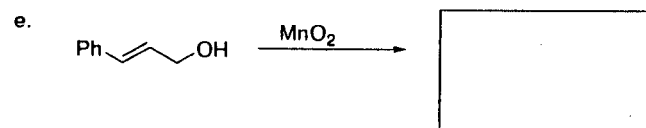
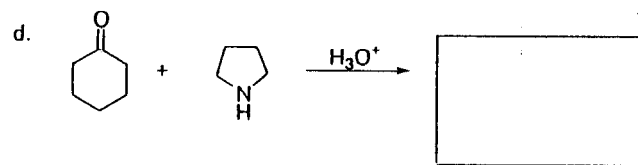
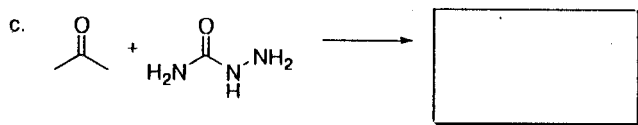
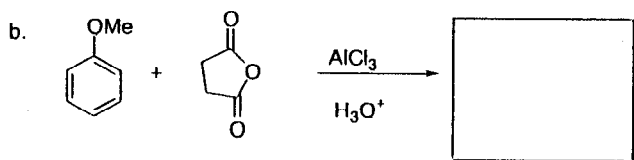
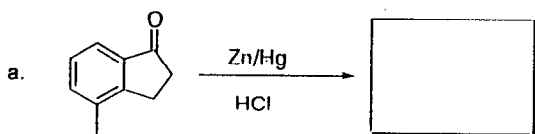
科目：有機化學

准帶項目請打「○」否則打「×」	
×	簡單型計算機

本試題共 4 頁 P1

本試題雙面印製

1. 將適當之試劑或產物填入所標示之空格中，請明確標示題號 (50 pt)



◀ 注意背面尚有試題 ▶

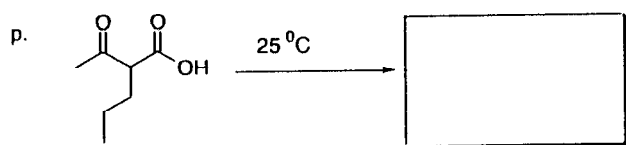
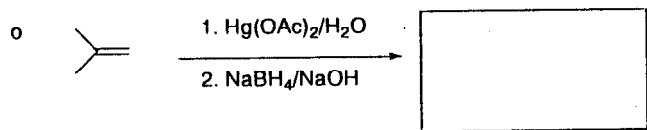
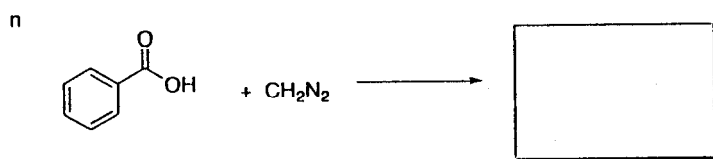
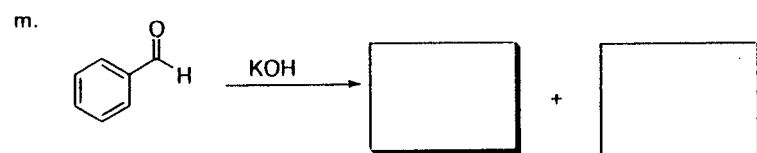
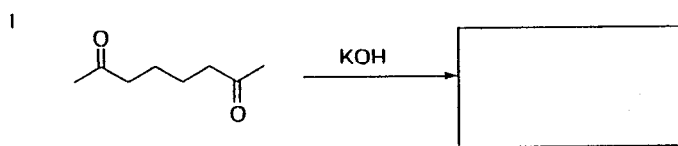
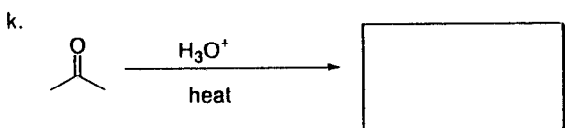
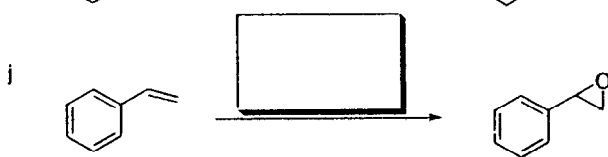
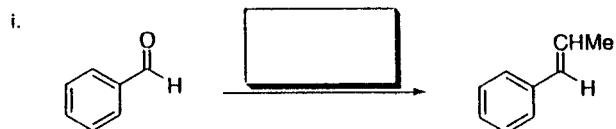
淡江大學九十二學年度轉學生招生考試試題 28-2

系別：化學系三年級

科目：有機化學

准帶項目請打「○」否則打「x」	
X	簡單型計算機

本試題共 4 頁 p²



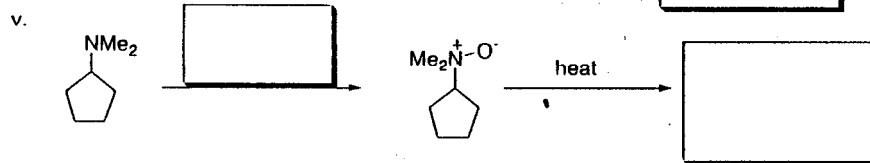
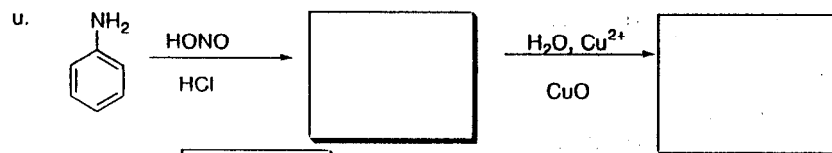
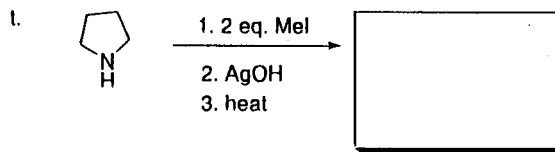
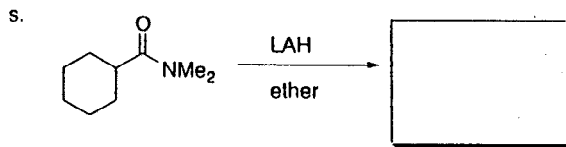
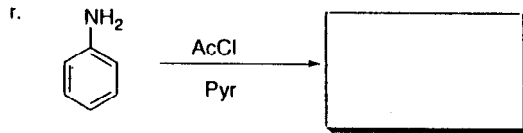
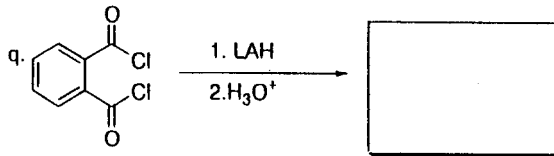
淡江大學九十二學年度轉學生招生考試試題 28-3

系別：化學系三年級

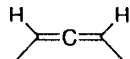
科目：有機化學

准帶項目請打「○」否則打「×」
<input checked="" type="checkbox"/> 簡單型計算機

本試題共 4 頁



2. 畫出下列分子之 3D 立體結構，並指出其為 chiral 或 achiral. (10 pt)



3. 指出下列分子何者為 aromatic，何者為非 aromatic，並解釋之. (10 pt)



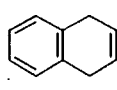
A



B



C



D



E

◀ 注意背面尚有試題 ▶

淡江大學九十二學年度轉學生招生考試試題 28-4

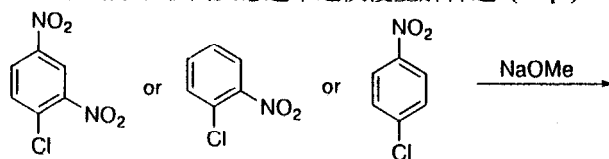
系別：化學系三年級

科目：有機化學

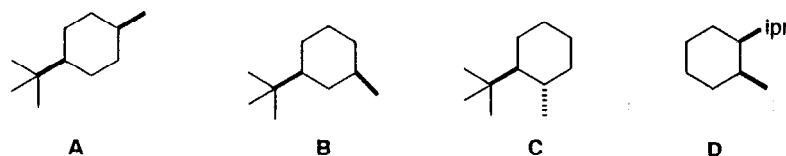
准帶項目請打「○」否則打「×」	
×	簡單型計算機

本試題共 4 頁 P4

4. 比較下列分子取代反應速率之快慢並解釋之。(10 pt)



5. 畫出下列分子之最穩定 Chair form。(10 pt)



6. 以共振結構並解釋下列反應之 Regiochemistry (10 pt)

