

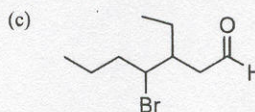
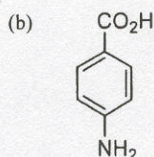
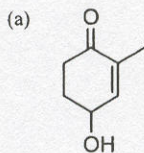
考生姓名： _____

准考證號碼： _____

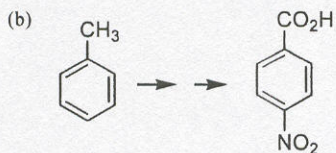
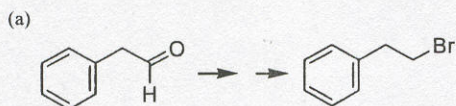
※注意事項 請先確實填寫姓名及准考證號碼。

嘉南藥理科技大學九十三學年度碩士班考試入學招生
有機化學試題 (生物科技系碩士班一般生甲組) 本試題共 1 張 2 面

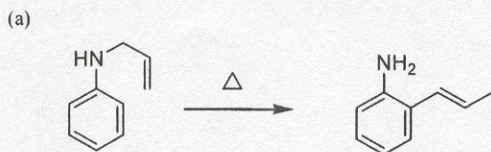
一、Name the following compounds in English (12%)



二、What series of synthetic steps could be used to carry out the transformation shown below? (14%)



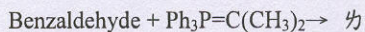
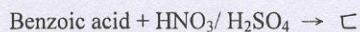
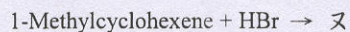
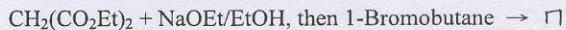
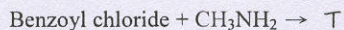
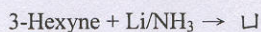
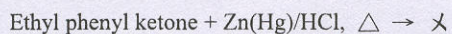
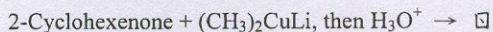
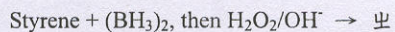
三、Suggest a reasonable mechanism for the reactions shown below. (14%)



<背面尚有題目>



四、 Give the structures for the major products of each of the following reactions. (50%)



ㄅ	ㄨ	ㄨ	ㄨ	ㄗ
ㄗ	ㄨ	ㄨ	ㄨ	ㄨ

五、 Propose a structure consistent with the following data : (10%)

C₉H₁₀O : IR 2960, 1590, 1290, 890, 790 cm⁻¹; ¹H NMR (300 M Hz) δ 7.56 (2 H, d, J = 8 Hz), 7.27 (2 H, dd, J = 8, 8 Hz), 7.12 (1 H, dd, J = 8, 8 Hz), 6.09 (1 H, d, J = 10 Hz), 5.20 (1 H, d, J = 10 Hz), 3.71 (3 H, s).

