

# 淡江大學 103 學年度碩士班招生考試試題

系列：化學學系

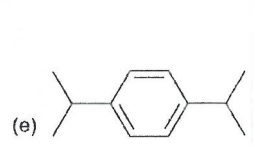
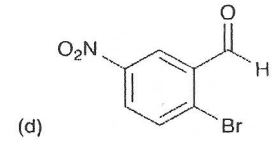
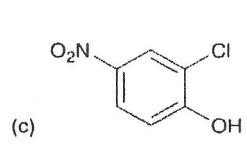
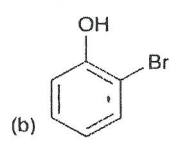
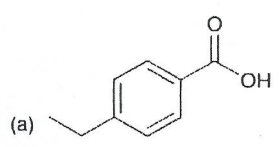
科目：有機化學

考試日期：3月2日(星期日) 第2節

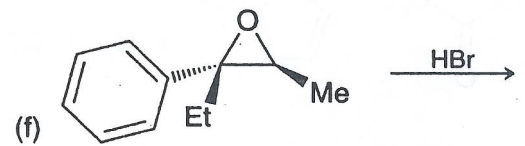
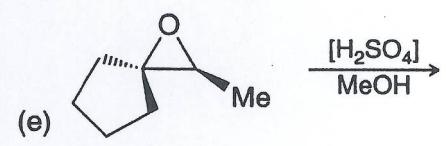
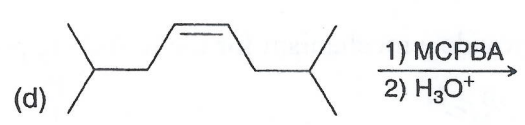
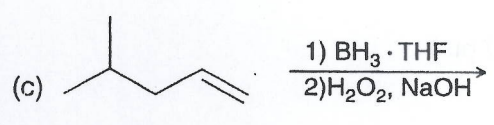
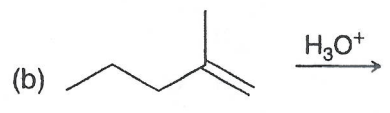
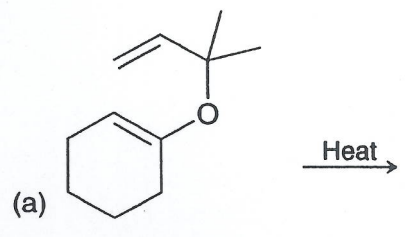
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本試題雙面印刷

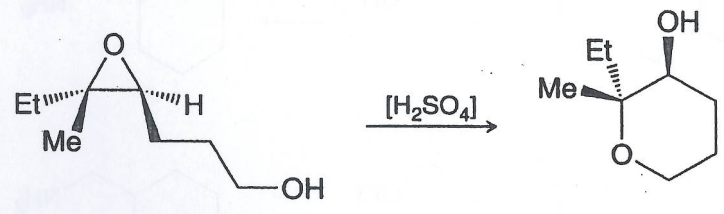
1. Please provide a systematic name for each of the following compounds (10 pts)



2. Please provide the major product(s) for each of the following reactions: (30 pts)



3. Propose a mechanism for the following transformation. (10 pts)



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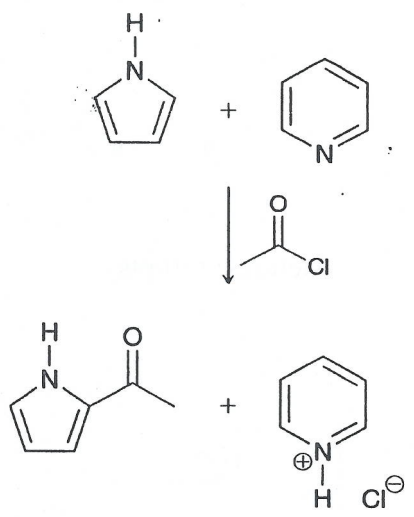
系別：化學學系

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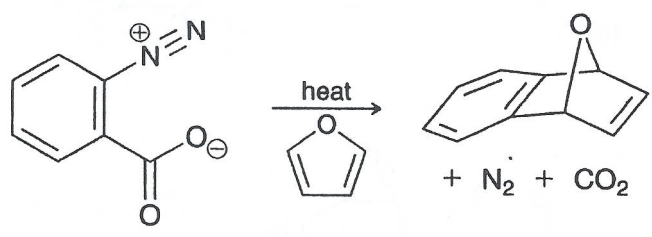
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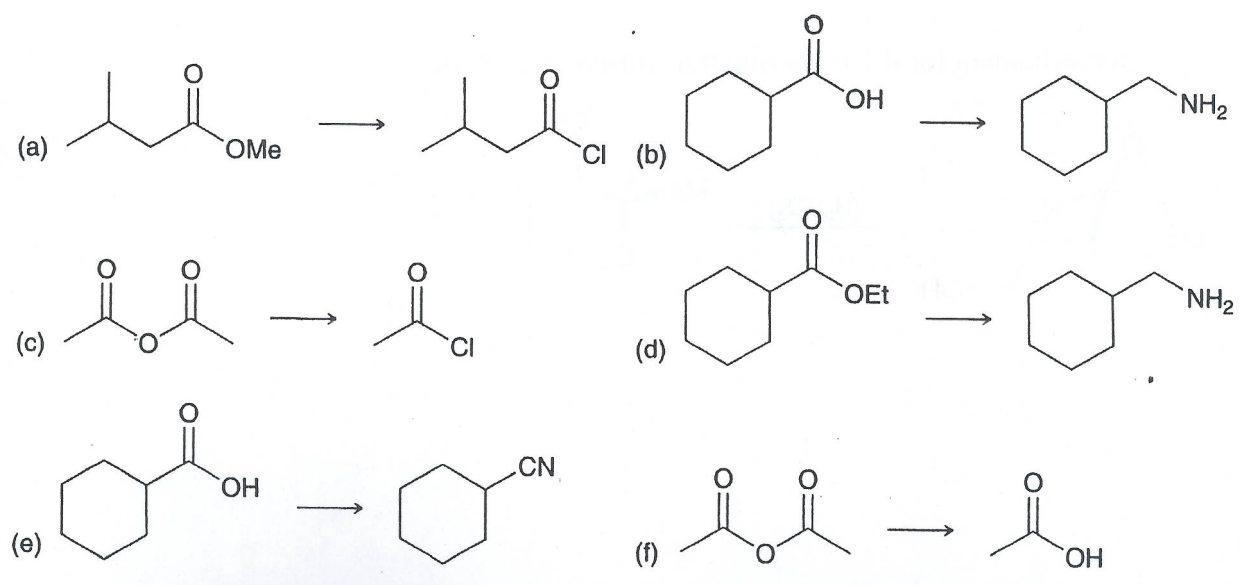
4. Draw a mechanism for the following transformation. (10 pts)



5. Please provide a mechanism for the following process. (10 pts)



6. Please identify reagents that will accomplish each of the following transformations: (30 pts)



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