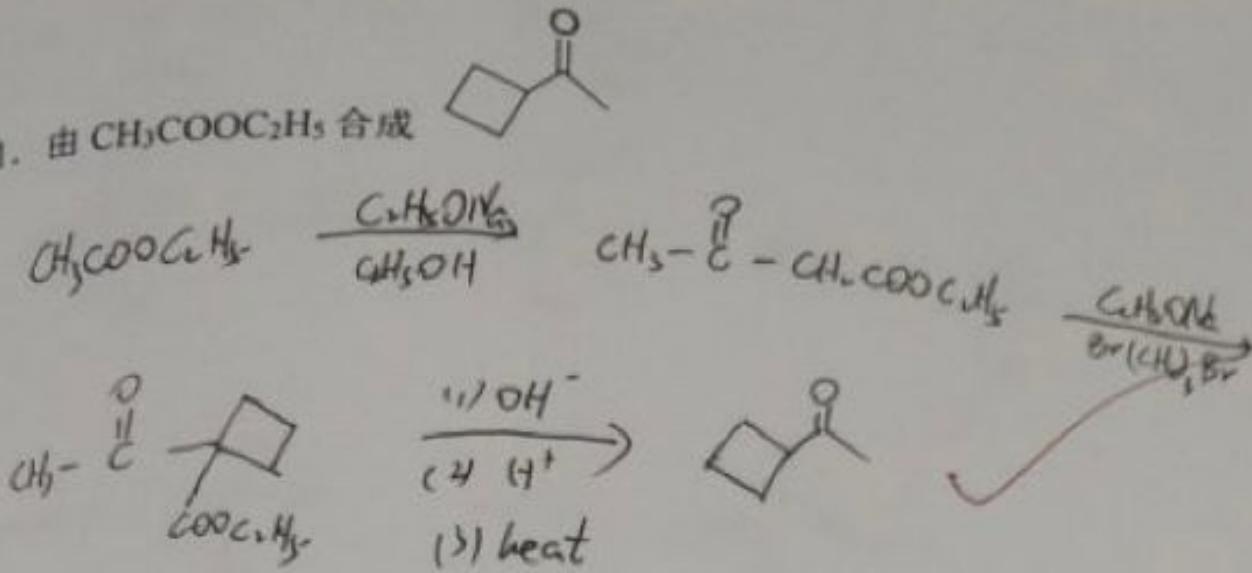
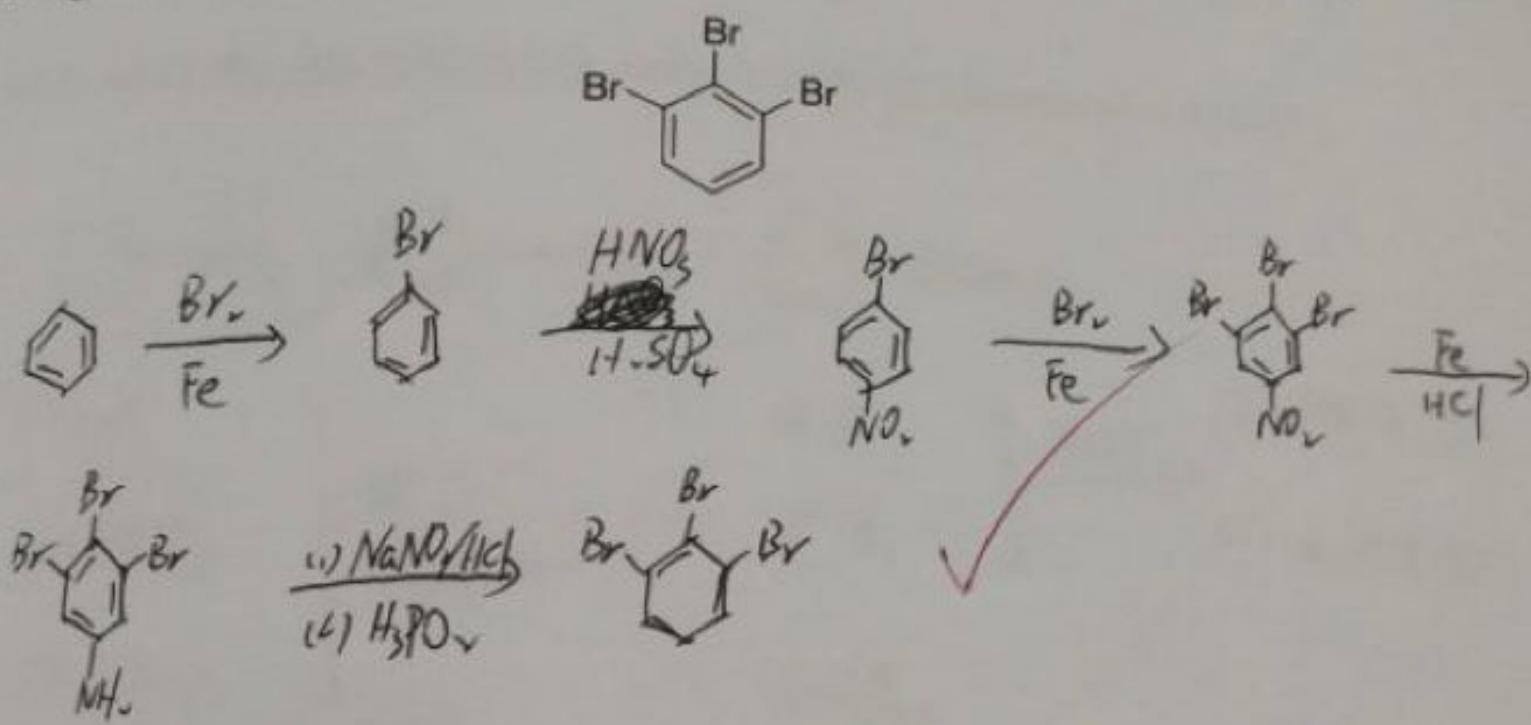
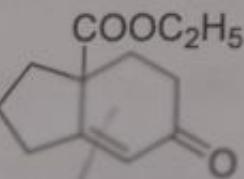


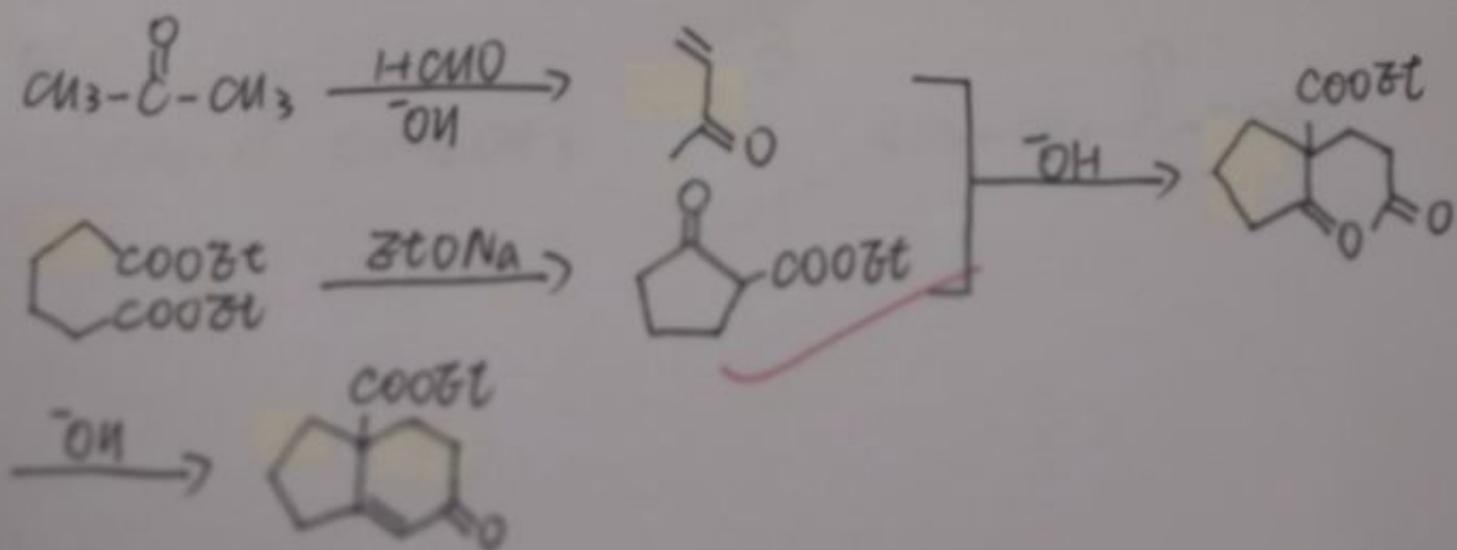
1. 由 $\text{CH}_3\text{COOC}_2\text{H}_5$ 合成



2. Preparation of the compound shown below using benzene as the starting materials.

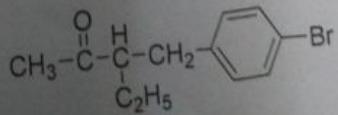


4. 设计  的合成

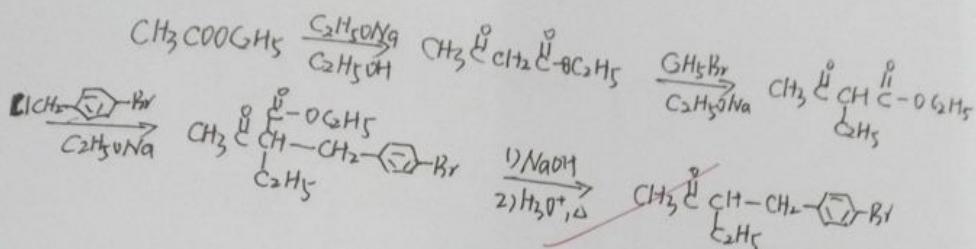


20

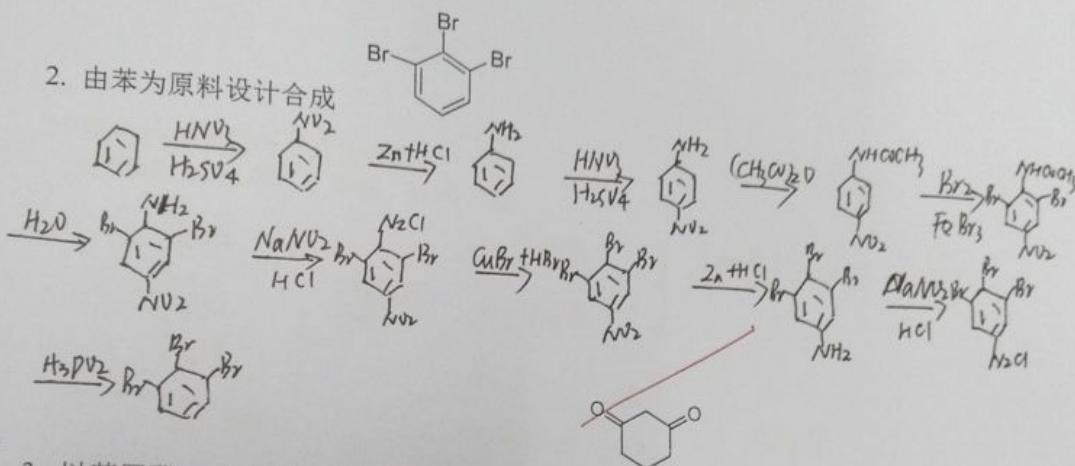
四、由指定原料合成下列化合物(每题 20 分)

1. 由 $\text{CH}_3\text{COOC}_2\text{H}_5$ 合成

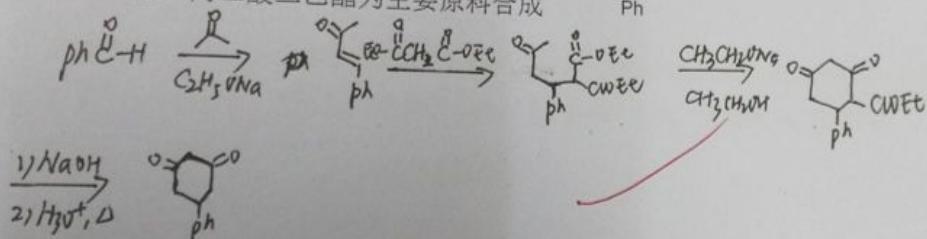
第 3 页 共 7 页



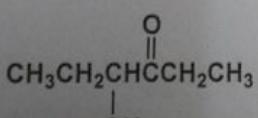
2. 由苯为原料设计合成



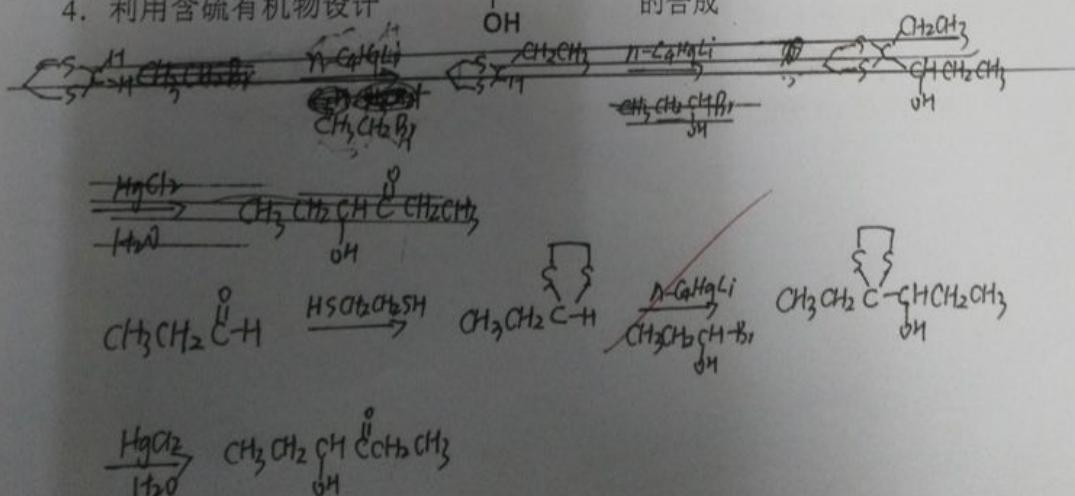
3. 以苯甲醛、丙二酸二乙酯为主要原料合成



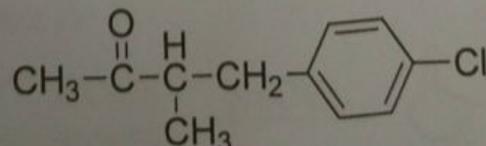
4. 利用含硫有机物设计



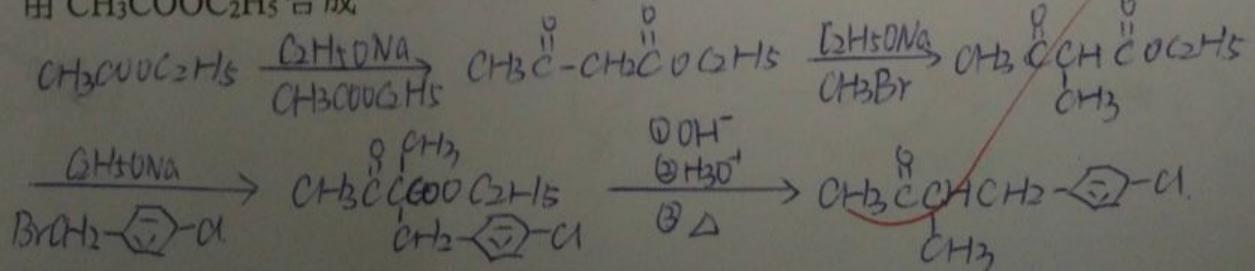
的合成



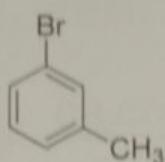
四、由指定原料合成下列化合物。(20分)



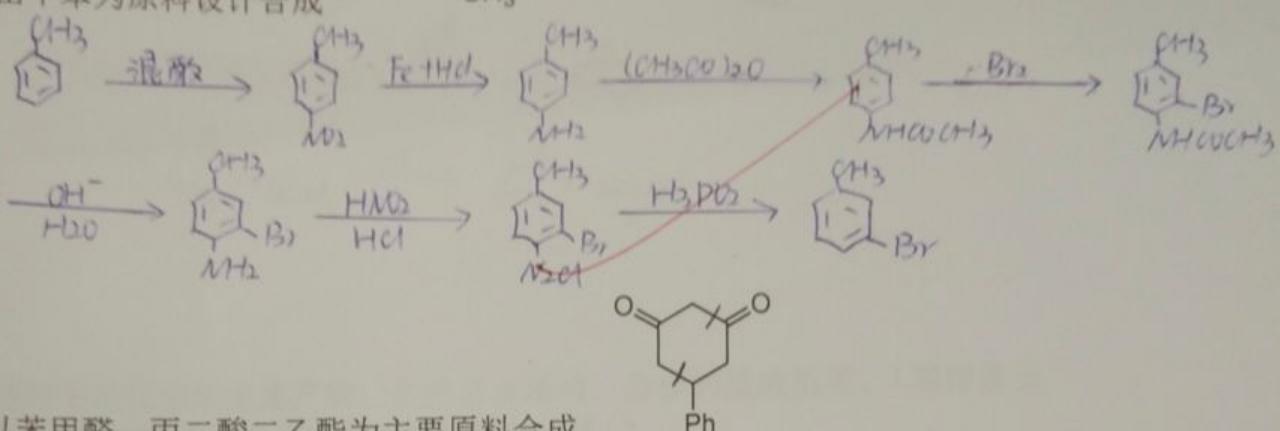
1. 由 $\text{CH}_3\text{COOC}_2\text{H}_5$ 合成



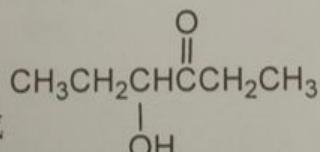
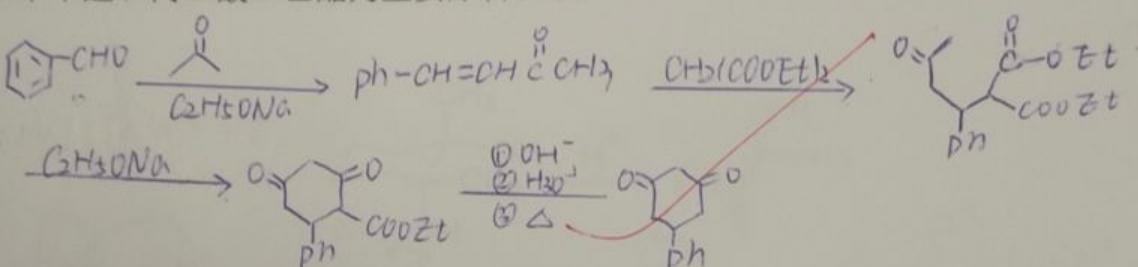
3



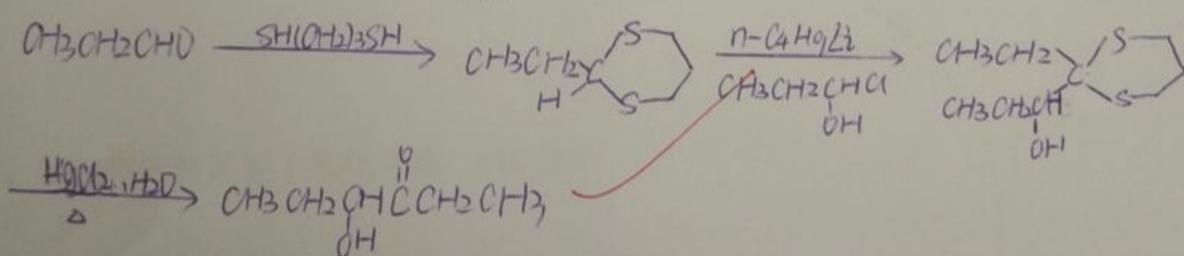
2. 由甲苯为原料设计合成



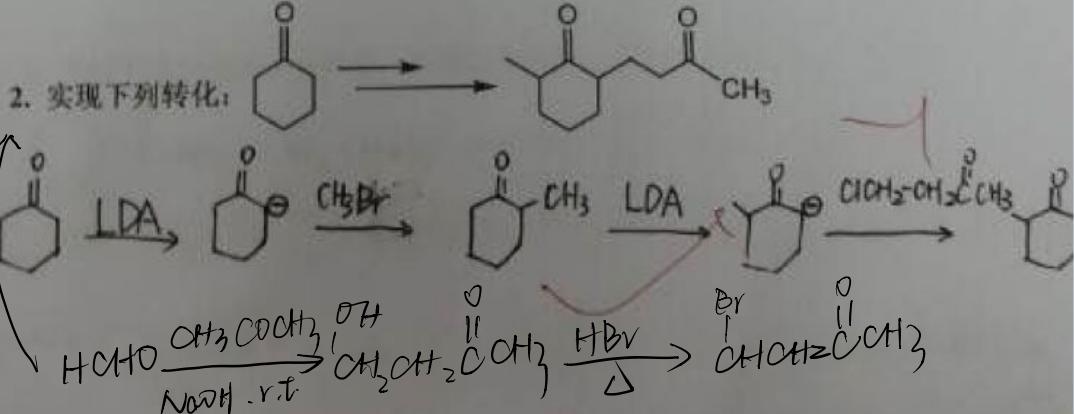
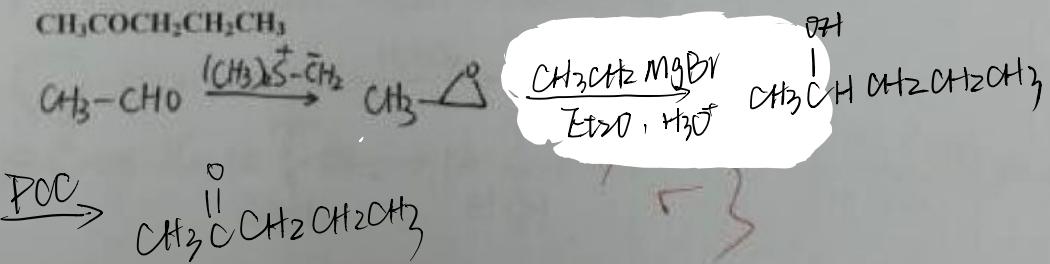
3. 以苯甲醛、丙二酸二乙酯为主要原料合成



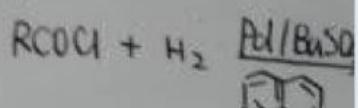
4. 通过含硫化合物合成



1. 由 C₂ 以下（含 C₂）有机化合物为原料，并利用含硫有机物合成



三. 9.



3. 由乙酰乙酸乙酯合成

