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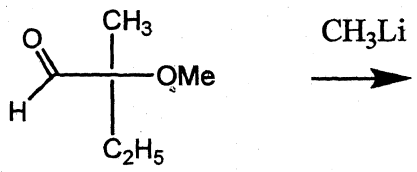
.....FN/AN Time: 3 hrs Full Marks: 50 No. of Students: 8

g Semester, 2008-2009. Deptt. Chemistry Sub. No. CY31008

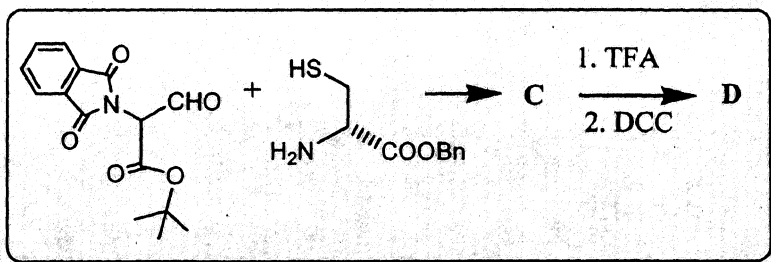
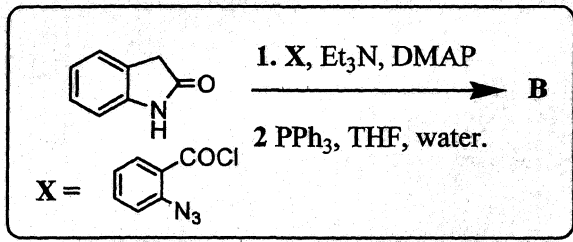
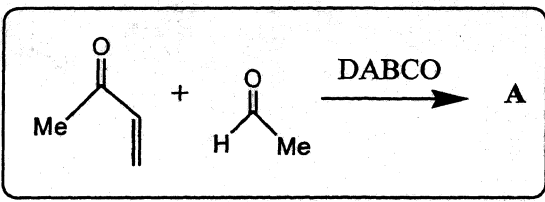
ear Integrated M. Sc. Sub. Name: Strategies for Organic Synthesis I

ction: Answer the following Questions

1. 4-t-Butyl cyclohexanone upon reduction with sodium borohydride produces more of the equatorial alcohol. Explain with the help of Cieplak model. [4]
2. Predict the major product, based on Cram's rule, in the following reaction: [4]



3. Identify the compounds A-D in the following reaction schemes and write their mechanism of formation. [2+4+4]



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