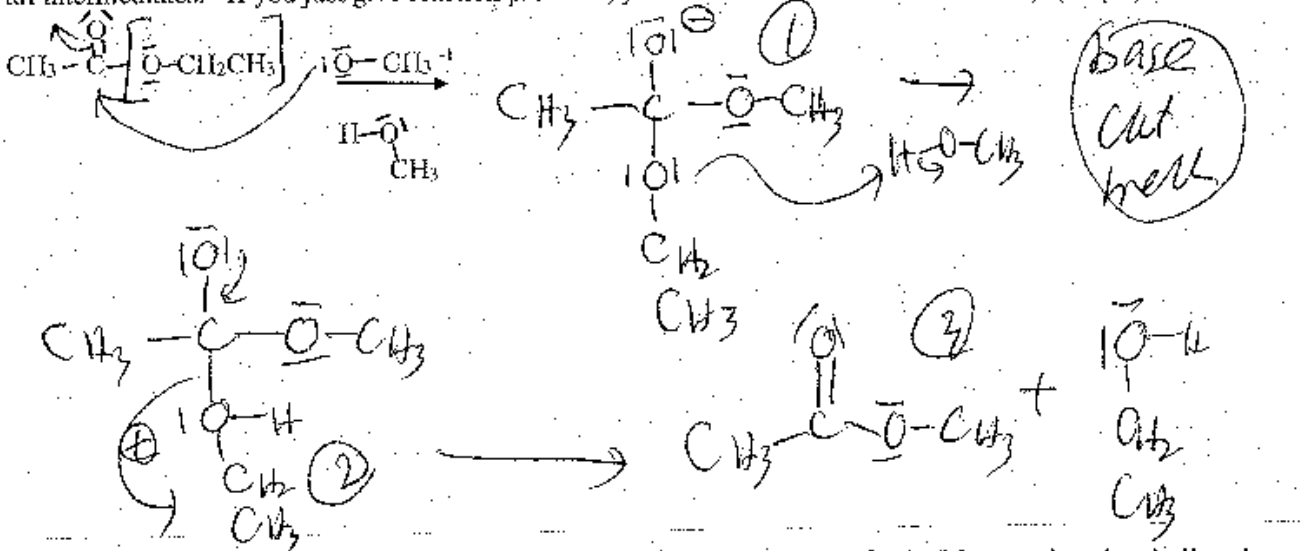
Organic II (CHEM 442) Fall 2015 Dr. Hahn MWF12pm 11/23/15M Form A Quiz VI Exam # _____

Sign Name _____ Key _____ Print Name _____

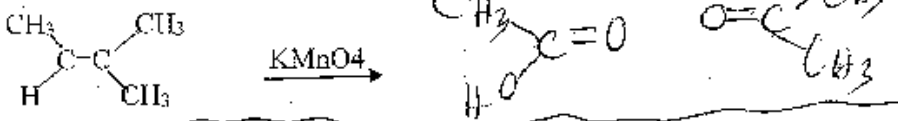
Please show work on all questions for partial credit even on questions which do not specify. I will only grade legible answers because if I can't read your answer, I obviously cannot grade it. NO EXCEPTIONS. (25 pts)

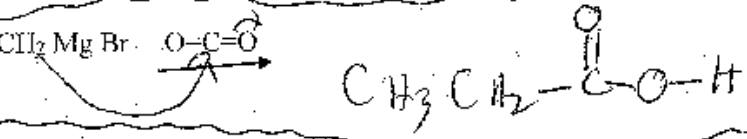
asked for generalized OK / comment #2

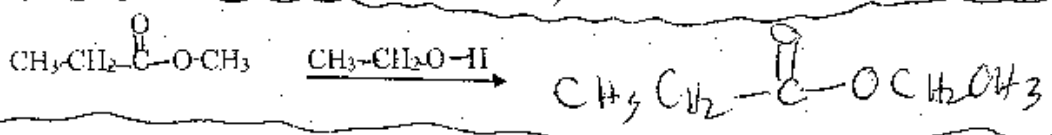
1. Keeping in mind the general reaction mechanism of the addition of a nucleophile to carboxylic acid derivative, complete the following "GENERALIZED" reaction mechanism. (MECHANISM means you show all intermediates. If you just give reaction products, you will LOSE LOTS OF POINTS.) (13 pts)

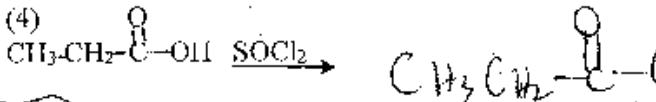


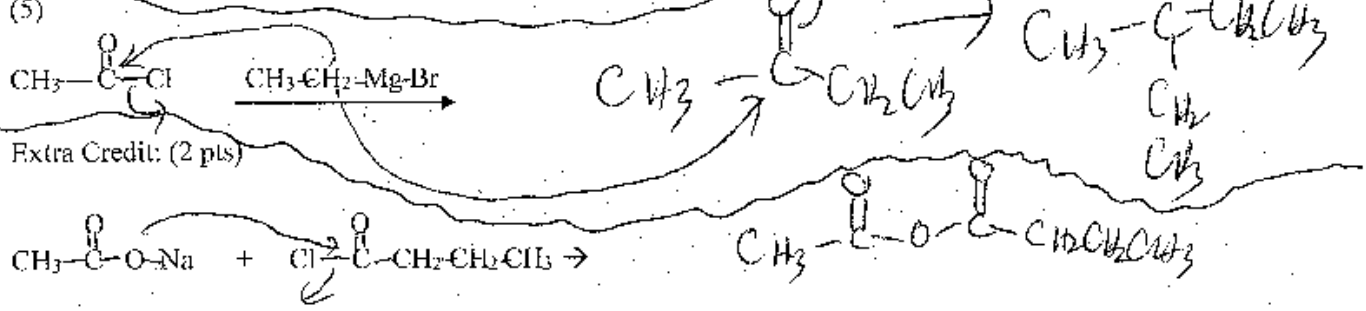
2. Give the Organic Products of the following reactions: **Choose to do 4** of the reactions by circling the reaction number. If you do not choose, I will just grade the first 4 reactions. (12 pts total, 3 pts each)

(1) 

(2) 

(3) 

(4) 

(5) 

Extra Credit: (2 pts)

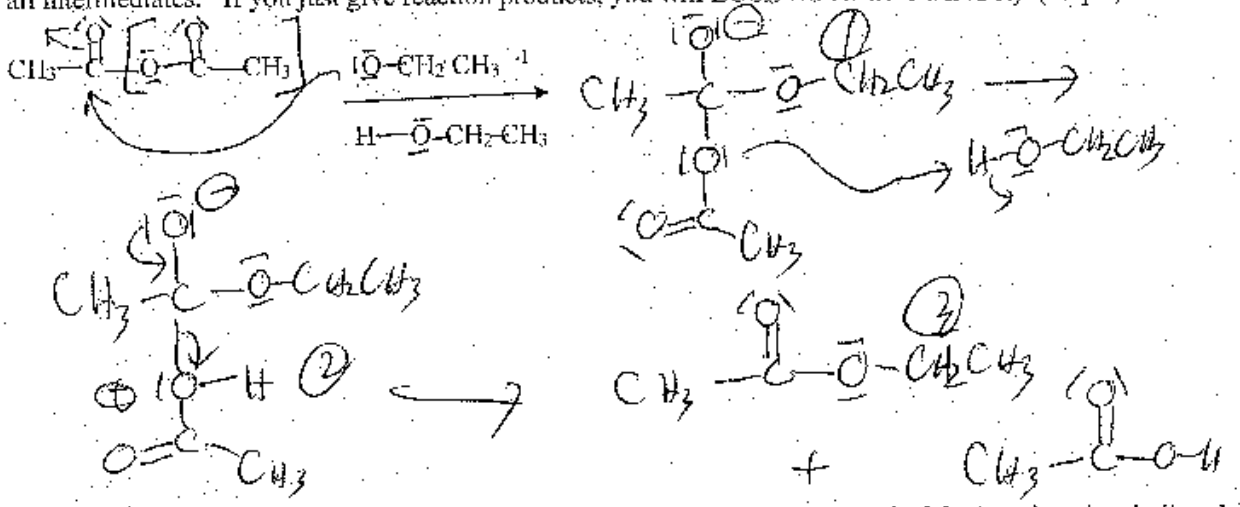
Organic II (CHEM 442) Fall 2015 Dr. Hahn MWF12pm 11/23/15M Form B Quiz VI Exam # ___

Sign Name ___ Print Name ___

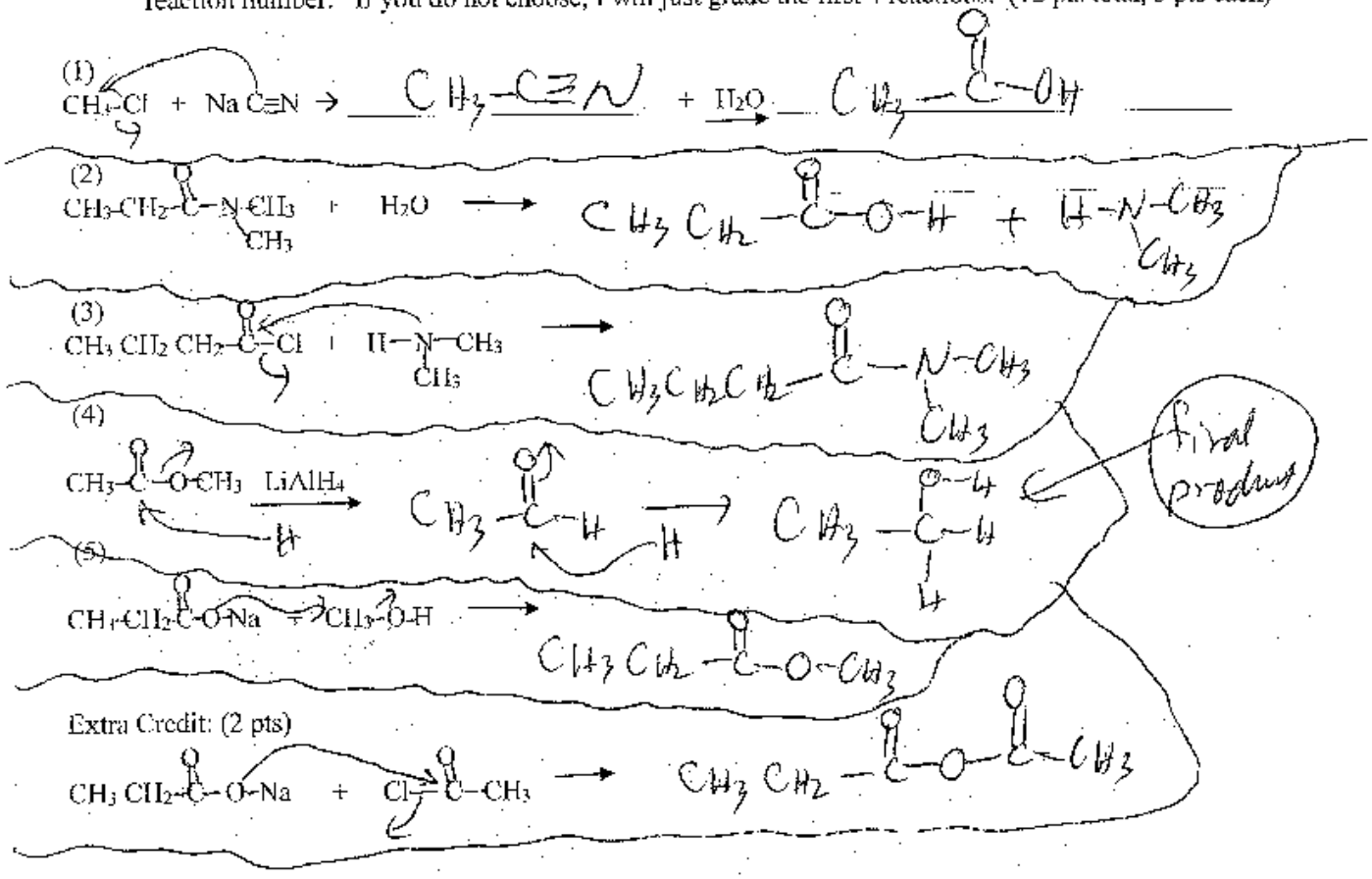
Please show work on all questions for partial credit even on questions which do not specify. I will only grade legible answers because if I can't read your answer, I obviously cannot grade it. NO EXCEPTIONS. (25 pts)

Ok leave out #2 color

1. Keeping in mind the general reaction mechanism of the addition of a nucleophile to carboxylic acid derivative, complete the following "GENERALIZED" reaction mechanism. (MECHANISM means you show all intermediates. If you just give reaction products, you will LOSE LOTS OF POINTS.) (13 pts)



2. Give the Organic Products of the following reactions: **Choose to do 4** of the reactions by circling the reaction number. If you do not choose, I will just grade the first 4 reactions. (12 pts total, 3 pts each)

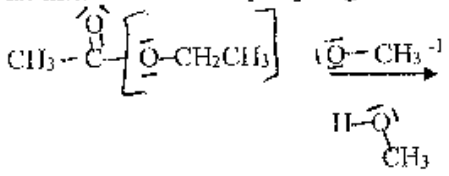


Organic II (CHEM 442) Fall 2015 Dr. Hahn MWF12pm 11/23/15M Form A Quiz VI Exam # 1-6

Sign Name _____ Print Name _____

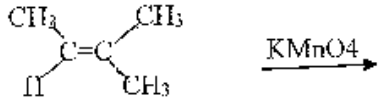
Please show work on all questions for partial credit even on questions which do not specify. I will only grade legible answers because if I can't read your answer, I obviously cannot grade it. NO EXCEPTIONS. (25 pts)

1. Keeping in mind the general reaction mechanism of the addition of a nucleophile to carboxylic acid derivative, complete the following "GENERALIZED" reaction mechanism. (MECHANISM means you show all intermediates. If you just give reaction products, you will LOSE LOTS OF POINTS.) (13 pts)



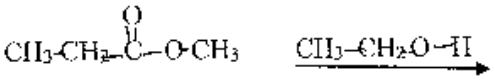
2. Give the Organic Products of the following reactions: **Choose to do 4** of the reactions by circling the reaction number. If you do not choose, I will just grade the first 4 reactions. (12 pts total, 3 pts each)

(1)

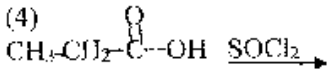


(2) $CH_3CH_2MgBr \xrightarrow{O=C=O}$

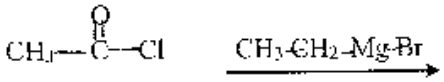
(3)



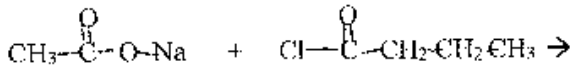
(4)



(5)



Extra Credit: (2 pts)



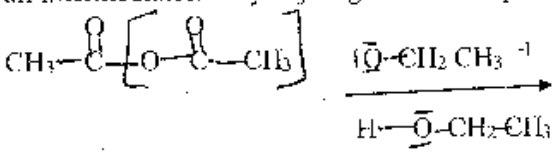
Organic II (CHEM 442) Fall 2015 Dr. Hahn MWF12pm 11/23/15M Form B Quiz VI Exam # 1-5

Sign Name _____ _____ _____ _____ Print Name _____ _____ _____ _____

Please show work on all questions for partial credit even on questions which do not specify. I will only grade legible answers because if I can't read your answer, I obviously cannot grade it. NO EXCEPTIONS. (25 pts)

1. Keeping in mind the general reaction mechanism of the addition of a nucleophile to carboxylic acid derivative, complete the following "GENERALIZED" reaction mechanism. (MECHANISM means you show all intermediates. If you just give reaction products, you will LOSE LOTS OF POINTS.) (13 pts)

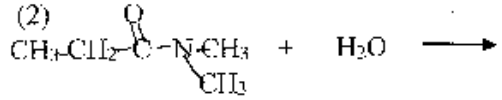
color



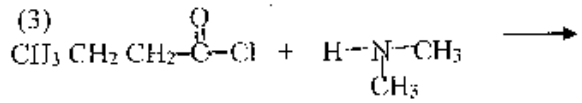
2. Give the Organic Products of the following reactions: **Choose to do 4** of the reactions by circling the reaction number. If you do not choose, I will just grade the first 4 reactions. (12 pts total, 3 pts each)

(1)

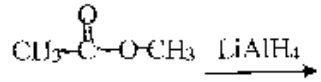
(2)



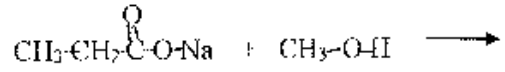
(3)



(4)



(5)



Extra Credit: (2 pts)