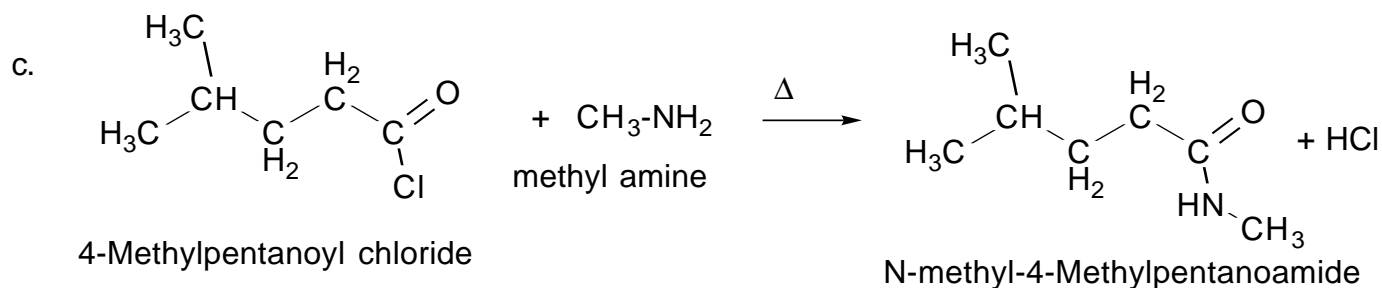
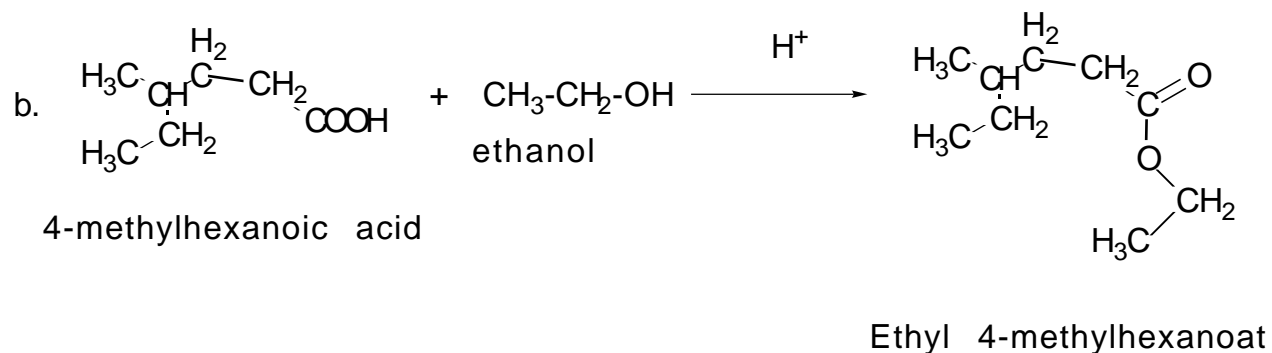
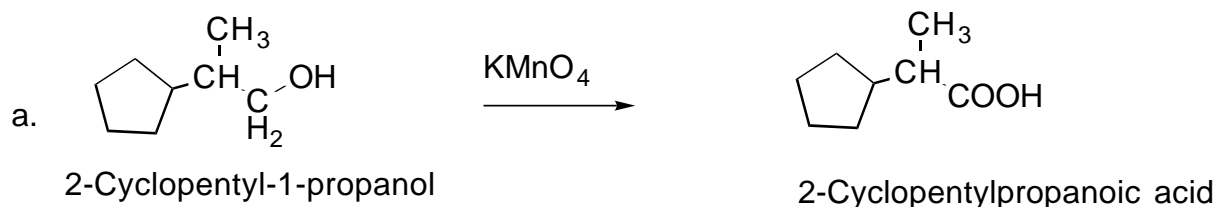
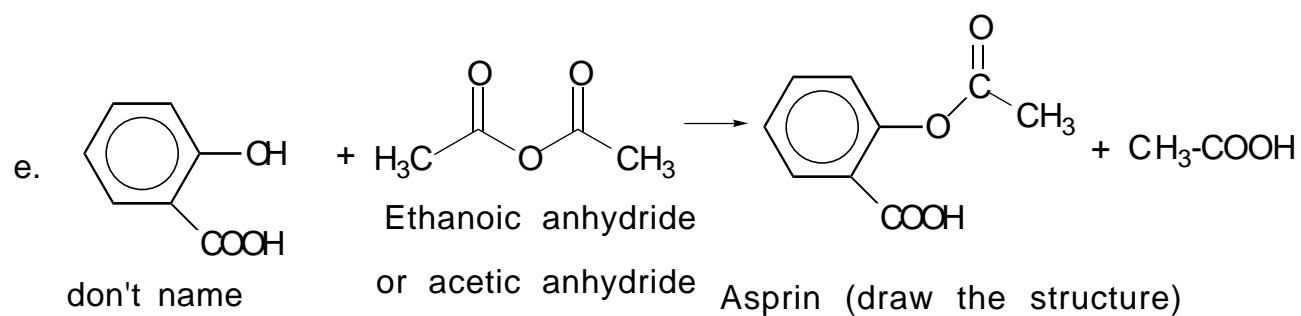
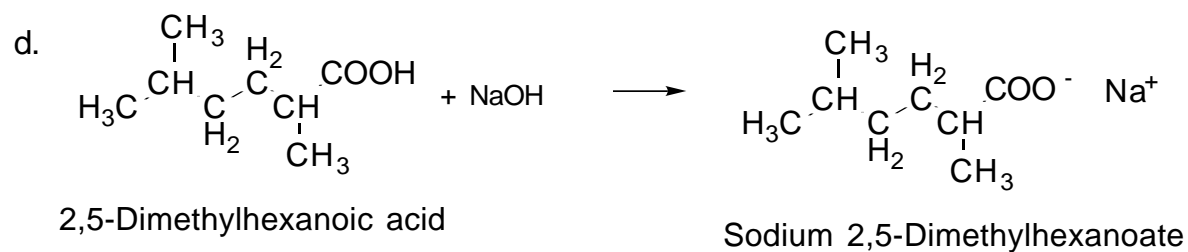


CH1020 Exam 2 Name \_\_\_\_\_

February March 14, 2001 SSN \_\_\_\_\_ Seat No \_\_\_\_\_

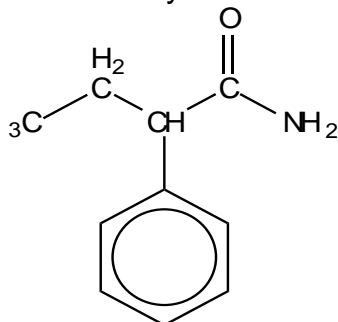
1. Complete the following equations. **Name all organic reactants and products.** (35%)



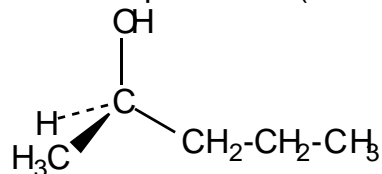


2. Draw the structures of the compounds whose names are given below. (20%)

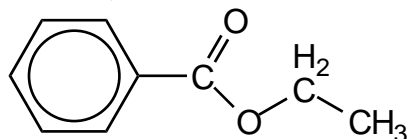
a. 2-Phenylbutanoamide



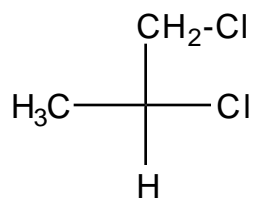
b. R-2-pentanol (draw in 3 dimensions)



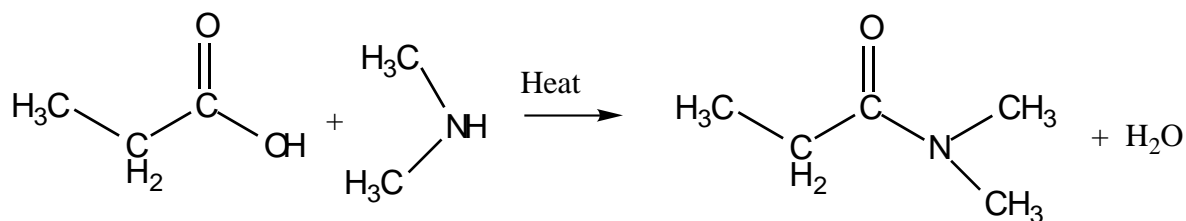
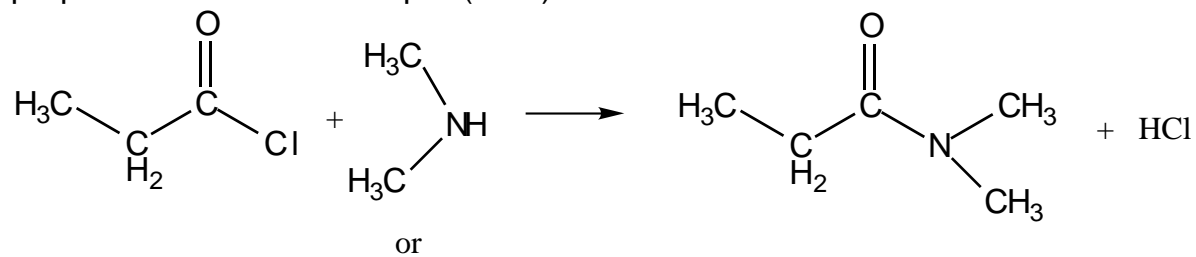
c. Ethyl benzoate



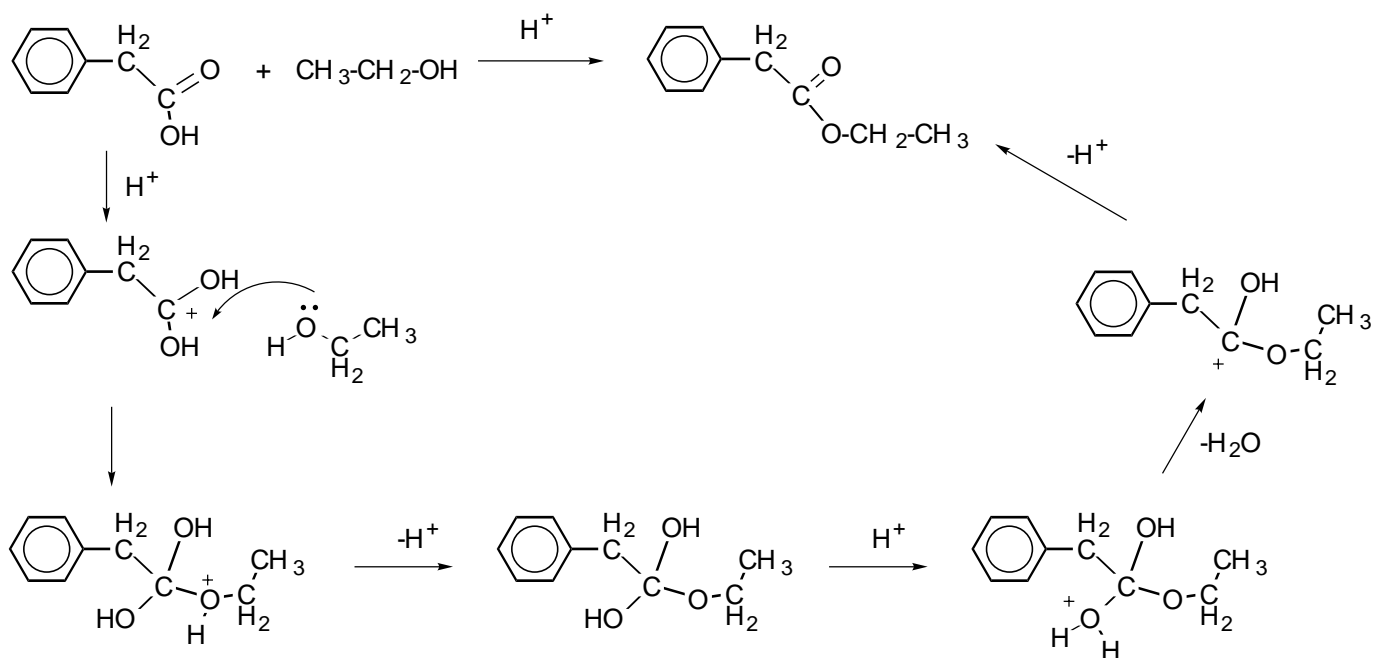
d. S-1,2-Dichloropropane (draw Fischer projection)



3. Write an equation which would allow the preparation of N,N-dimethylpropanoamide in one step. (20%)



4. Write the mechanism for the reaction shown below. (15%)



5. Draw Fisher projections of 3 stereoisomers of 2,3-dibromobutane. (10%)

