

①

CHM 138 Final exam December 2005

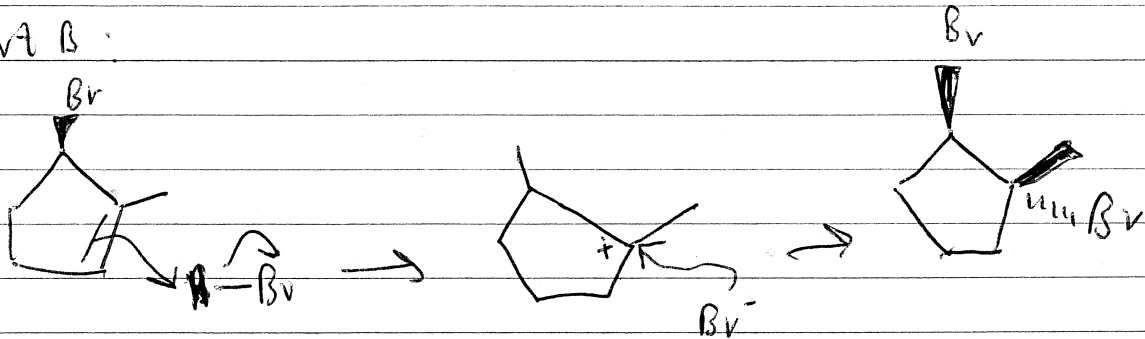
Part A:

1) a 2) c 3) a 4) c 5) b 6) d 7) c 8) a 9) a 10) b

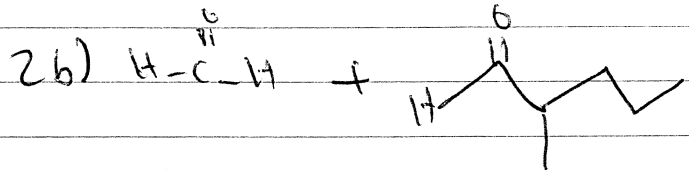
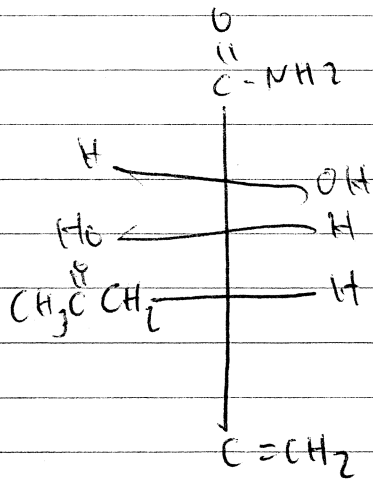
11) c 12) c 13) d 14) c 15) c

Part B:

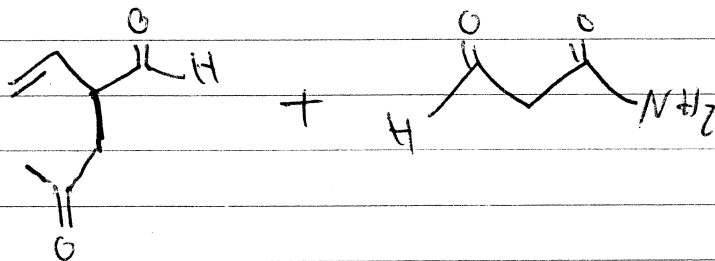
1)



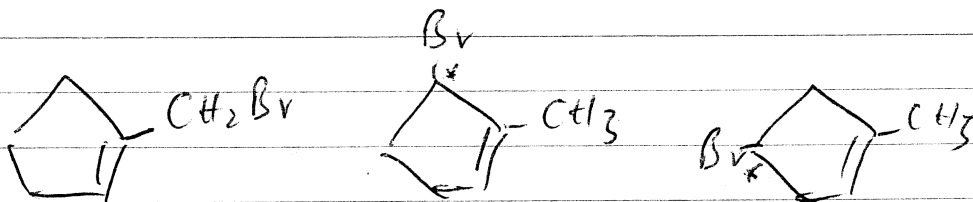
2a)



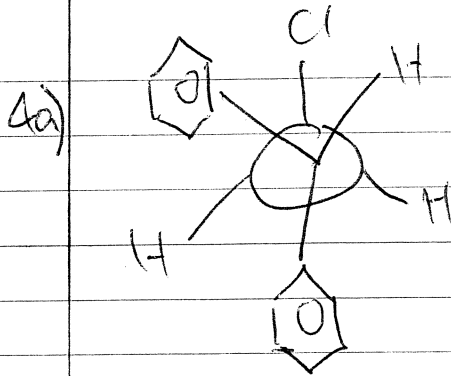
2c)



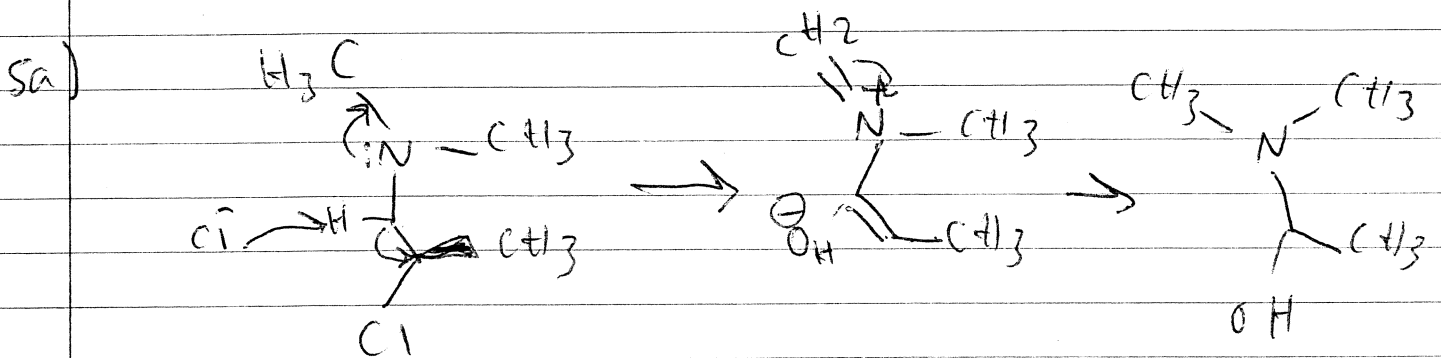
3)



(2)



4b) 2 phenyl groups will be farthest away making it more stable.



5b) S, R.

6)

A : 1) NaBH<sub>4</sub>  
2) H<sub>2</sub>O<sup>+</sup>

D : 1) H<sub>2</sub>O, 2) H<sup>+</sup>

