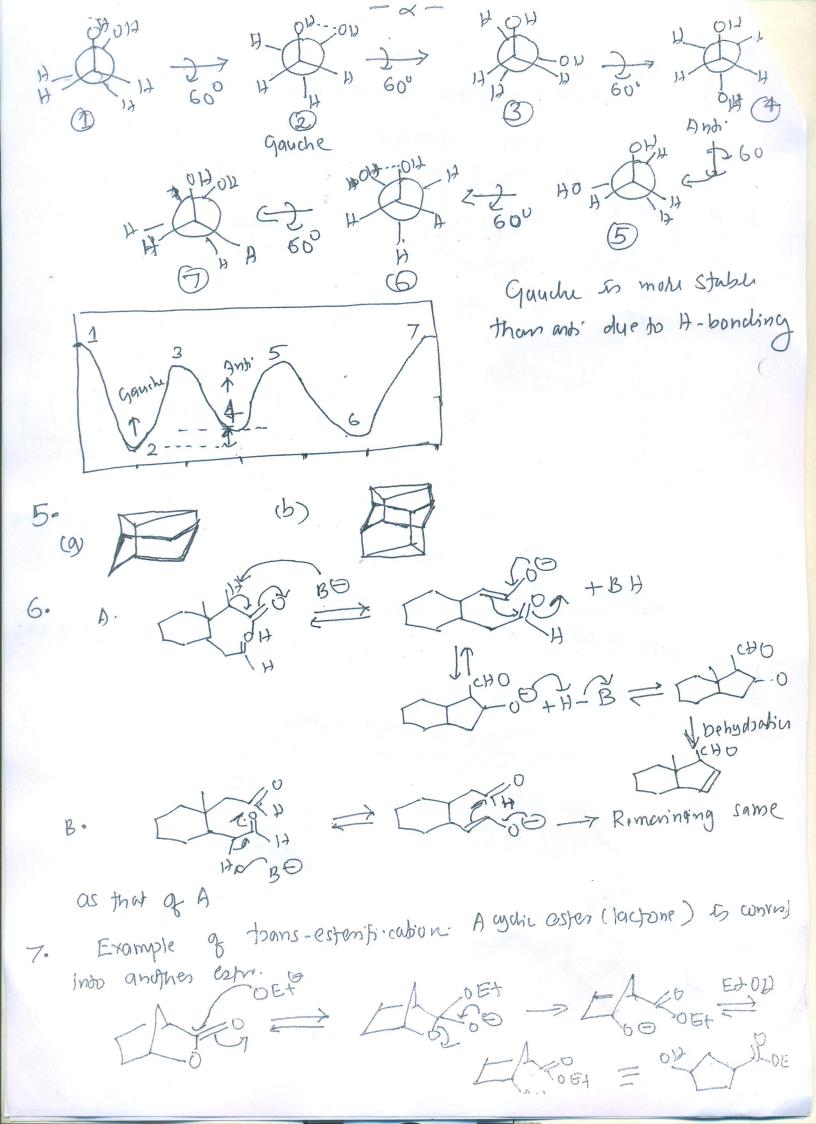
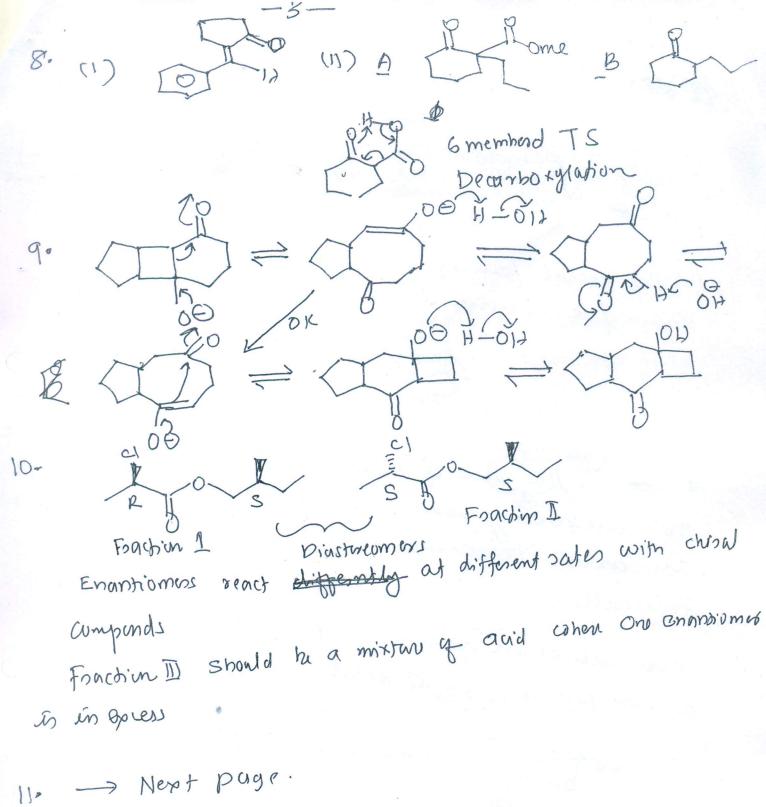
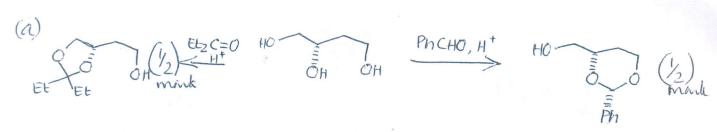
C4105 Tutorial 4 Conformational Analysis and Conbonys Compounds MODEL ANSWERS 10 Hand Br are in antiperiplanar configuration CH3 tursiand angle, There fore the barrier hish will be 3.9 kcel/min. CM3 H Ellipsed Staggood least stubly. 3 cb3 H edipsmy = 3x1:3 = 391cm/ most stubb No echipsing intradian Homework problem: 2/2-dimethyl hutane CAS 34-word

quache









(b) The acetal formed with benzaldebyde is a strain-free six-membered sing as shown

OH Ph

both An and CH2OH are equatorial

the corresponding sin-membered sing would have an asual Et group, resulting in high 1,3-diasian interaction:

This situation results in the formation of a sin five-membered ketal.

BE TO TOH

any one of conformational drawing

— (1)

jurtification of actal with benzaldehyde
by invoking 1,3-diamal interaction

(or gambe-betane) — (1)