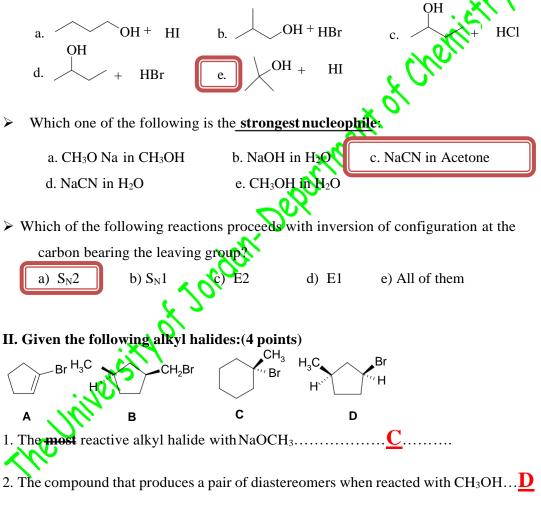
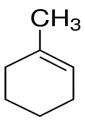


- > Which of the following is the best method to prepare isopropyl methyl ether:
 - a. CH₃OH + (CH₃)₂CHOH + H₂SO₄, 140 °C b. CH₃OH + (CH₃)₂CHCH₂OH + H₂SO₄, 140 °C c. CH₃ONa + (CH₃)₂CHBr d. CH₃ONa + (CH₃)₂CHCH₂Br e. CH₃I + (CH₃)₂CHONa
- Which of the following synthetic methods of alkyl halide is expected to occur at fastest rate?

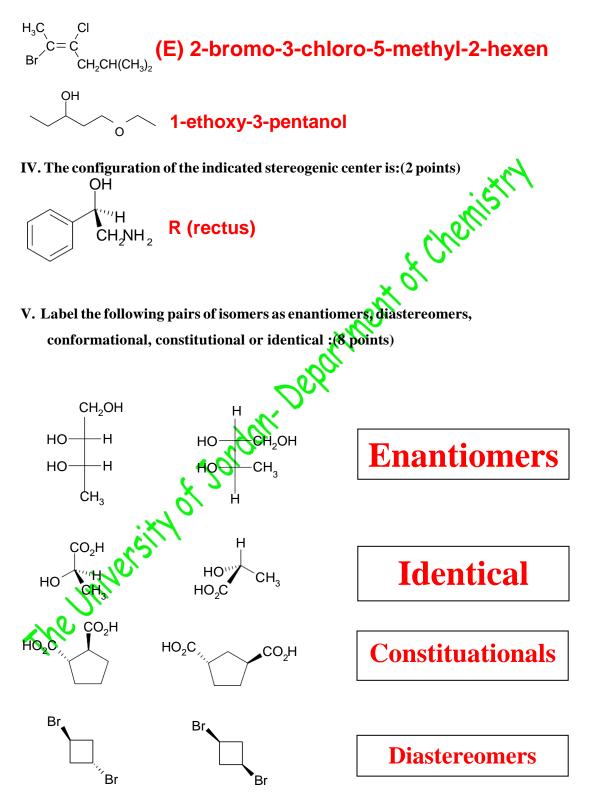


- 3. The <u>least</u> reactive alkyl halide towards nucleophilic substitution...... \underline{A}
- 4. Draw the structure of the **major** product obtained when heating C with NaOH

An E2 reaction happens and the product is:



III. Give the correct IUPAC names for each of the following compounds:(4 poins)



VI. Complete the following reactions giving the major products:(22 points)

