Alcohols, Phenols & Emers-14
Properties of shers (R-O-R')
1 Reaction due to cleavage of C-0 bond in Ethers
i) with thy devolodic acid.
R-O-R'+HI -> RI+R'OH
CHS-O-CHS+HI -> CHSI+ CHSOH
Mechanism -> occurs by both SND & SND Mechanism
V \ 1\ 1\ 1\ 2\
If both alkyl groups are frimory -> SND
If any one of the alkyl group is tertiory -> SND
by oray one of the congression of
A
Case I: Both alkyl groups are frimary SN®
CHS-O-GHS HT CHS-O-CHS
HI I
8+ 0-
IO+Cons-O-ConsI+ConsOH
$\mu$
In SND-i)Attack occurs on less crowded carbon
(less sterric hinderance)
1°>2°73°
ii) There is NO carbocation formed









