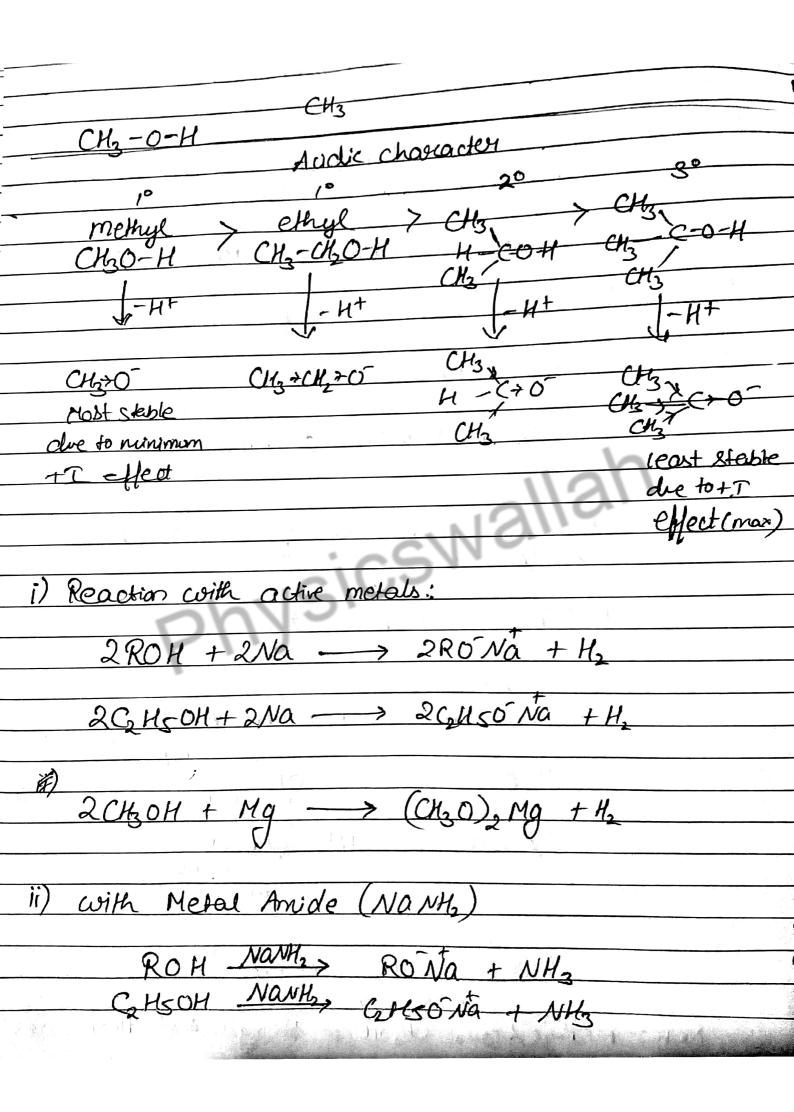
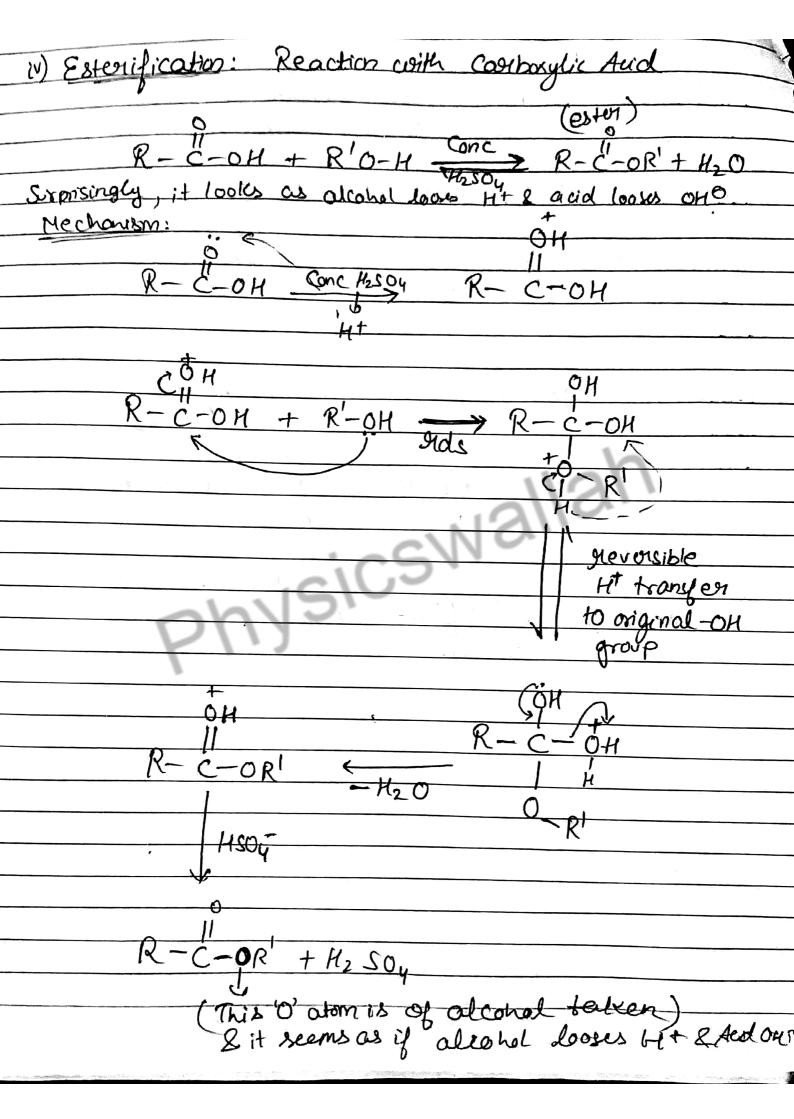
Alcohols, Phenals & Ethers-05	, <i>3</i>
Chemical properties of Alcohols-1	
The state of the s	
(Acidic Nature of Alcohals)	nd
(Acidos Nativas of Alcabala)	
(FICIOUS) MICHAELS	
@=> Reactions due to cleavage of R-fo-H bond	
3 -> Elimination Reaction: Dehydrotion of AlCohol	
	<u> </u>
① → Oxidation Reactions	
A	-
(3) => Haloform Reaction (Oxidation + Test)	
: -C// O.	
D Reactions due to cleavage of R-07H Bond -> Acidic Nature of Alcahole	
-> Acidic Nature of Alcohole	
R-0-H - H+ ROT	
	2 2 1 Car a
Alcohols are acaker Acids than water	
Alcoholi are acaker Acids than water	
Cexcept CH3 OH	
$H_2O = H^+ + OH$ (mode stable)	
GHg-OH = H+ GHg-O Less stable due to +I effect	
less stable.	
due to tI effect	
HDO > R-OH > CH = CH	
Acidic ordan	
Note: Methyl Alcohol CH30H is stronger Acrd than co	oden

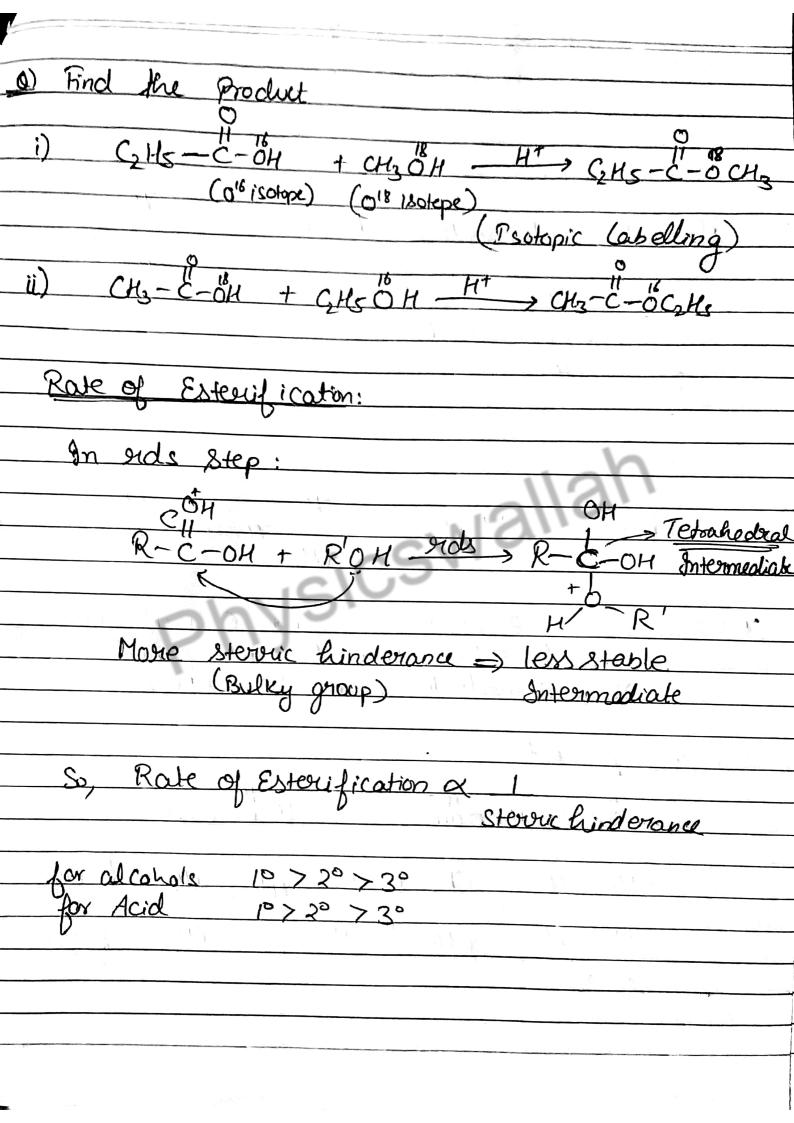


Alcohole are not acidic enough to great with any NaoH or any KOH like Comboxylic Acids do

exception: Methyl Allohol (UBOH)

ROH + NaoH -> RONA + H2





For Acids:
HCOOH > CH3COOH > CH3-CH3COOH > CH3-COOH
$-\frac{\mathcal{G}\mathcal{C}_3}{2}$
- CH
> CH3-C-COOH
Tox Alan I
For Alcohols:
CH3OH > CH3-CH2OH > CH3OH > CH3OH
CH30H / Ch3Ch / CHOH / CH3
\mathcal{O}_3
and a second of the second phenolication.
Note: In case of 3° Accord or 3° Acid esterification.
do not takes place => No ester formed as Intermediale is very vory unstable
as sufferingulate is told to go to so
Find the broduct:
n'na me produce.
i) CH304 + HCOOH - H+> H-C-6CH3
1) CH304 + ACOON - ACOON
ii) CH2-OH CH2-C-OH H+ CH2-0-C-CH3
ii) CH2-OH CH3-C-04 H+ CH2-0-C-CH3
CH2-OH CH2-C-OH CH2-O-C-OH3
GHZ-OH CHZ-C-OH CHZ-O-C-OHZ glycol
gayax

