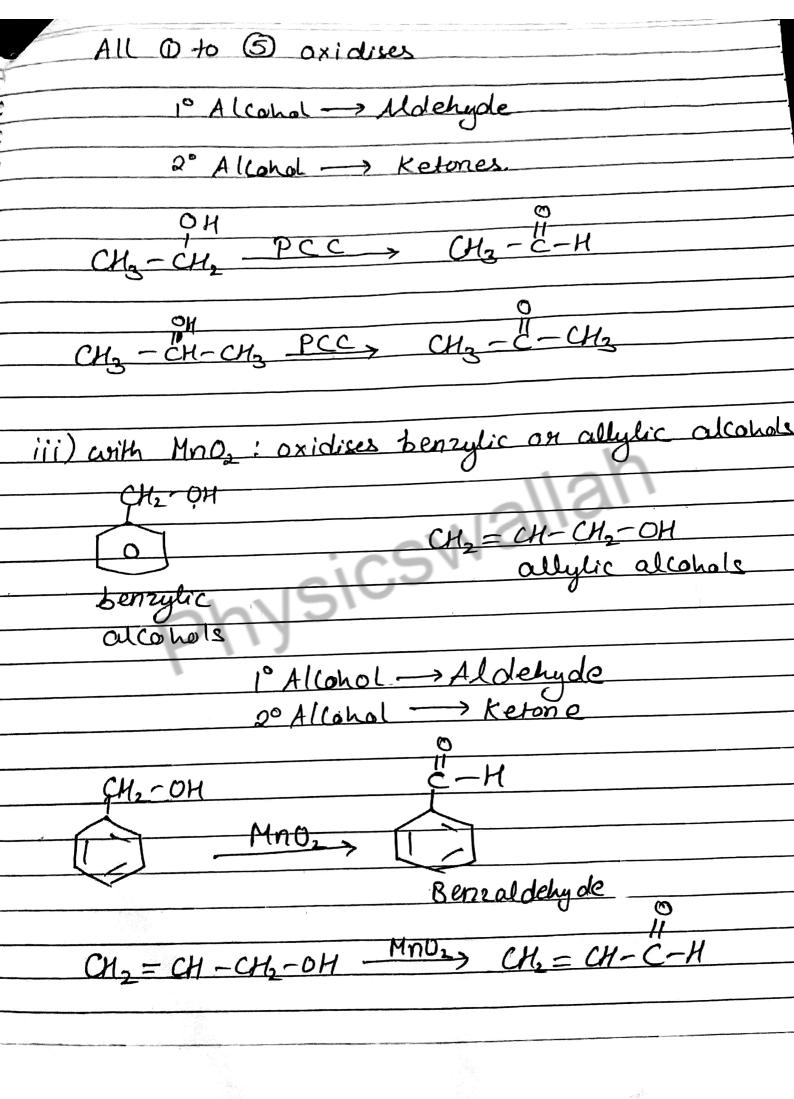
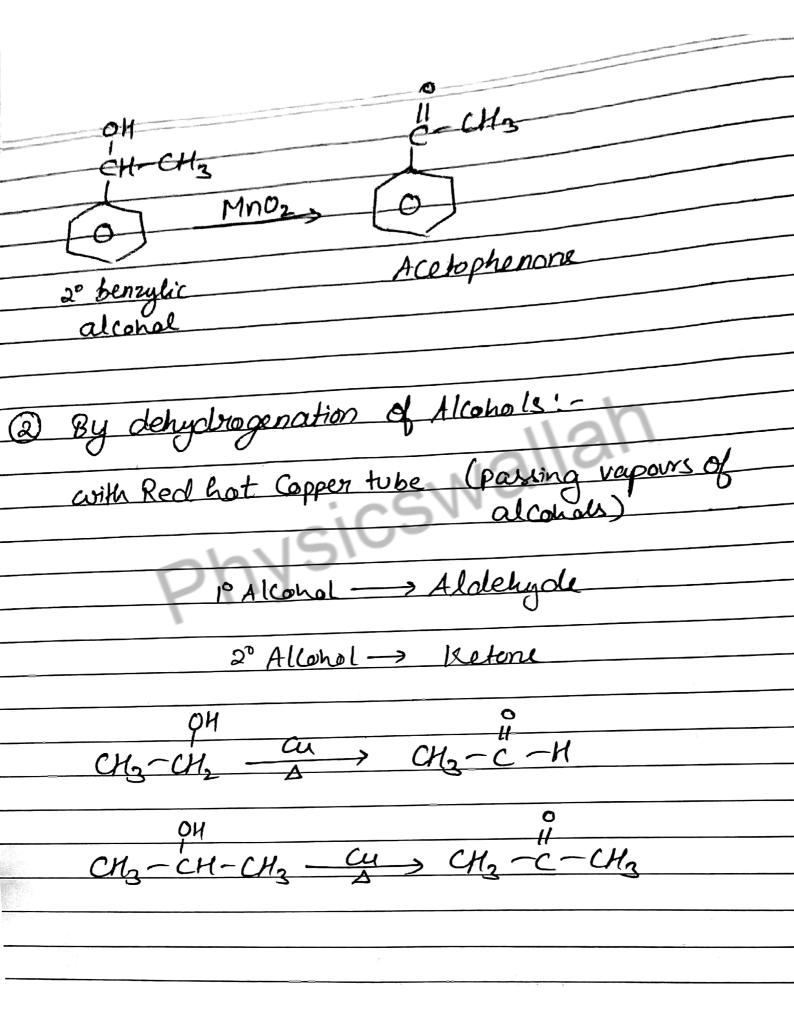
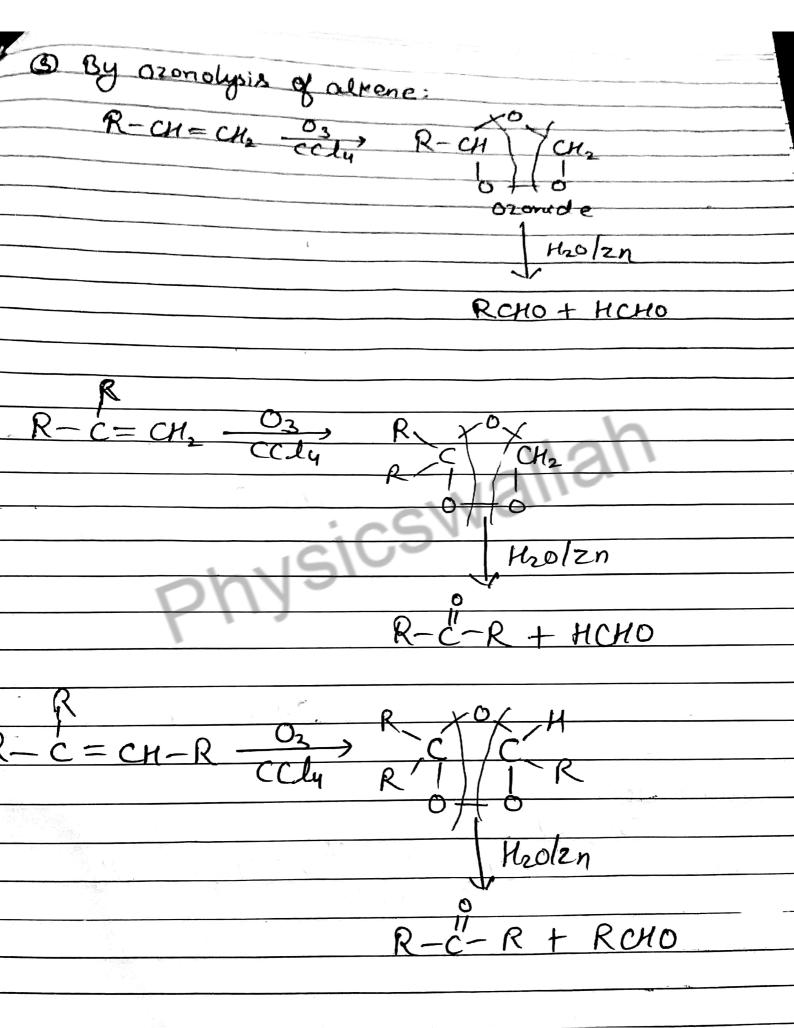
Aldehydes & Ketones -1

U	
Introduction	: Preparation of Aldehydes 8 Ketones
11	(Common Method
-0-	to both)
Carlbon	
amu	
——————————————————————————————————————	
0 1/2	0
R - C - H	R-C-R'
Aldehude	Ketone
Secondary of	secondary one?
Julia of al	sullix
suffix 0	Tb.
) H=0=H	1) CH2 - CH2
methonal	proponone (-2 one)
Formaldehyde	Acetone
0	Dimethyl Retone
2) CH = C - H	
ethonal	2) CH3-CH2-C-CH3
Aceteldehyde	butan-2-one
	Ethyl methyl ketone
3)	
	(3) $(-4)^3$
Bonz aldehide	
Benz aldehyde	Acetophenone
	Acetophenone Methyl phenyl Ketone
1	4) 1 3
184 -> Symmetrical Benzophenone	
1 & 4 -> Symmetri le eton	re Diphenyl Ketone

Preparation of Aldehydes & Ketones
Preparation of Aldergines
Que oxidation of Alcohole -> conse
D By oxidation of Alcohole -> with:
DR OCIDIC KMNOY
i) with acidic K2 (1207 Cardary Allahale)
Cortago
i) with acidic K2C7,07 OR acidic KMnoy (only Secondary Allohols) 20 Alcohols -> Ketones O
CH3-CH-CH3 K2CF2O4/H+ CH3-C-CH3 KMn0y/H+
CHO-CH-CH2 RECIONS CHE C-CH3
k Mnoy I Ht
0 1 1 1 10 10
1 Alcohol -> Corboxylic Acid
1° Alcohal -> Corboxylic Acid 3° Alcohal -> No effect
ii) O.P.C.C. (Pyriclinium Chlorochromate)
11) 0 1
Cro3: HCl
1 : 1 : 2
@ Jone's Reagant [H2Cr204 in agr Acetone] Croz [H2SO4, Acetone]
CXO- 140501. Acetone
, 0.03 (.725.9)
3 Collin's Reagant (1): Croz: CH2Cl2
Gollin's Reagant Cros CH2CL2
(4) Compalie O mant
(9) Sometis Reagant (1): Croz: HCl: Ch2Cl2
S) NBS







i) CH3 CH= CH-CH3 - CCty Hzolzn CH3CHO+ CH3CHO Short trick: double Bond Ats of, oats off CH3-CH=CH-CH3 ii) H20/Zn CH2-E-CH3+ CH3-E-CH3 Short trick: CH3 CH3

CH3 -C+ C- CH3 i) Hollan

