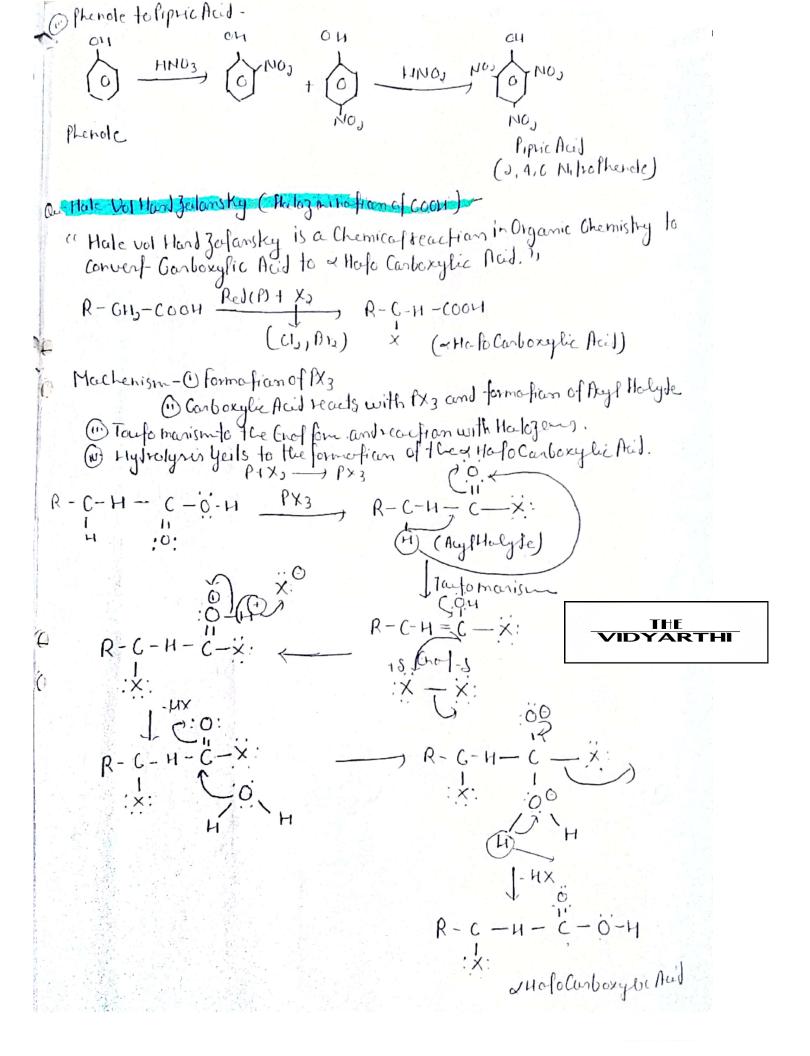
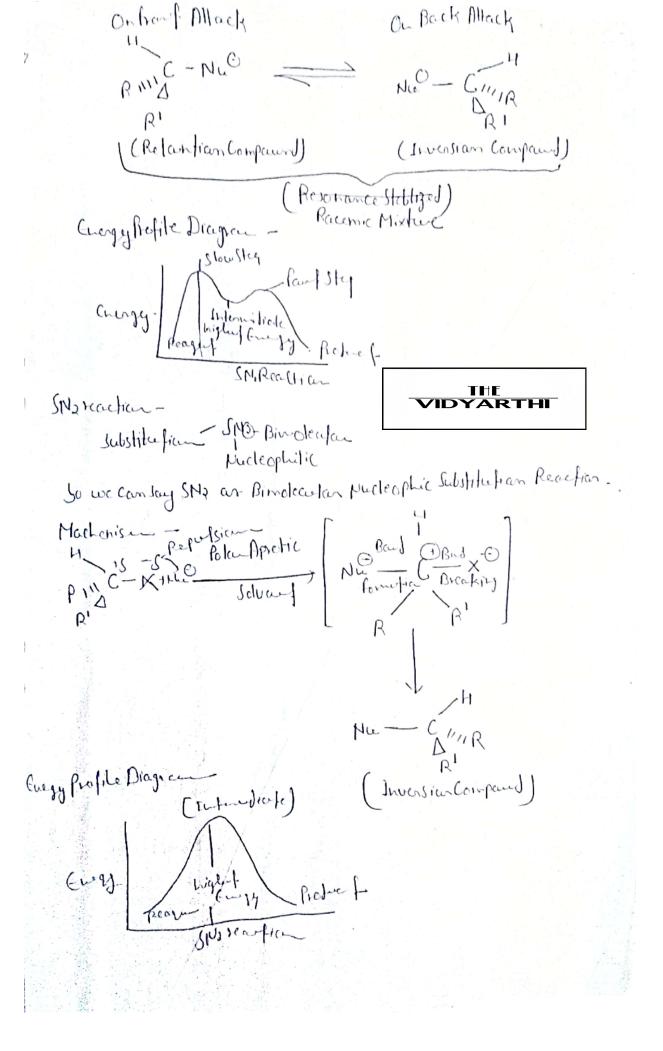


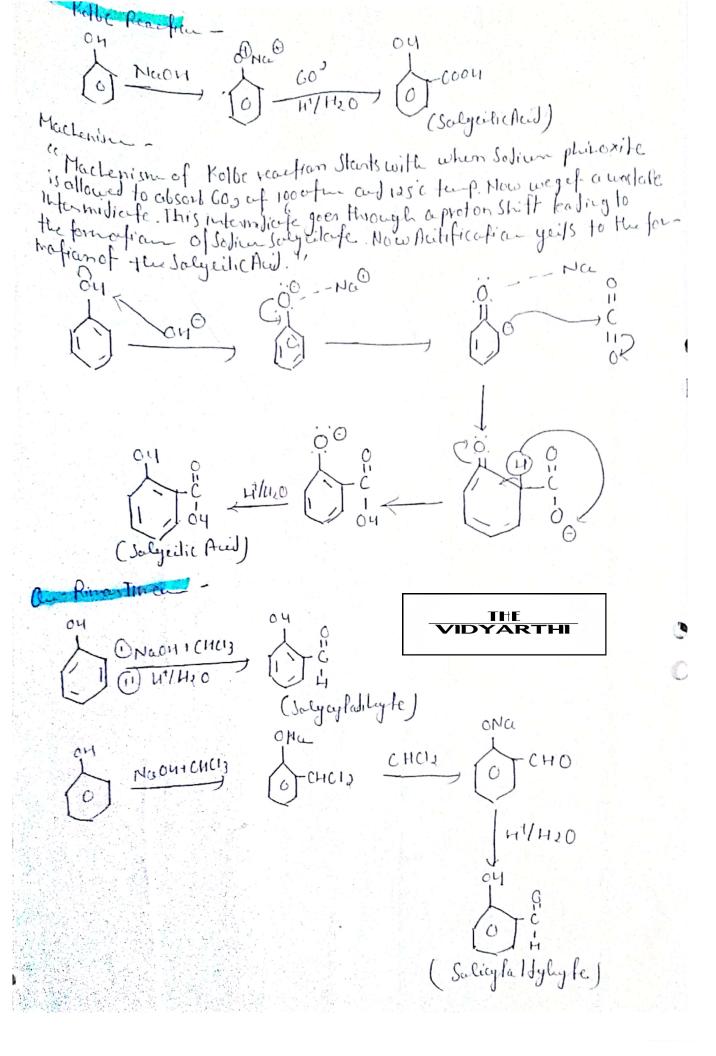
Aliphofic Aldylydes are more reactive than the Mome fit Aldylydes of the Same malcanfar weight. 131. Aliphofic Aldihyder and Aromofic Aldylugler are two board clamer of the Aldylugher The diffrence between aromofic aldylugher and aliphofic Aldylugher is the intraction between the Carban and Hydrogen of on. It aliphofic Aldylugher the Band between Carban and Hydrogen of ons are too work. So they can brook easily. So, therefore Carban and Hydrogen or forms are too work. So they can brook easily. So, therefore Aliphofic Aldyluggers are more reactive. In Aromofic Aldyluggers the band bef ween Hydrogenand Carban of omare strong and Carban a forms are arranged with form of offoring. There fore Aromofic Allyluggers are more reactive. 17C-H R-C-H Aliphofic Asomofic Alfylugge Alderbyses So the Aliphafic Aldylyder are more reactive towards Nucleophilic addition Reactions because the band between Carban and Hydrogen atoms are weak and can be broken easily where the others de the Asoma fic Aldylughen are less reactive towards nucleophilic addition reaction because the bands are strong and G-aforms are arranged in the form of a floof sing and hand There we can say that Aliphatic Allylugher are more reactive lowards to break the nucleophilic allitian Reaction then Aromofic Aldyley des of Some molecular weight. Ou- How did your distringuish primary Secondary and tilary Alchohols . Soll- By Victor Mayor Method -@ O Primary Alchotof gives Red Colour 1 Secondary Alchoholgives Blue Colour ( Tritary Akhohol is Colounters N-04 OR3CH, -OH PHID, RCH,-I AgNOS RCH,NO, HNOS R-C-NOS (1) ROCHEMP+12 ROCHI AgNOS ROCH-NOS HINDS ROCK-NOS REJUGIAM KOH Blue Colaus (1) R3C-OH P+12 , R3C-I AgNos , R3C-NO2 HHOW Norcoefian TROH No Colaur

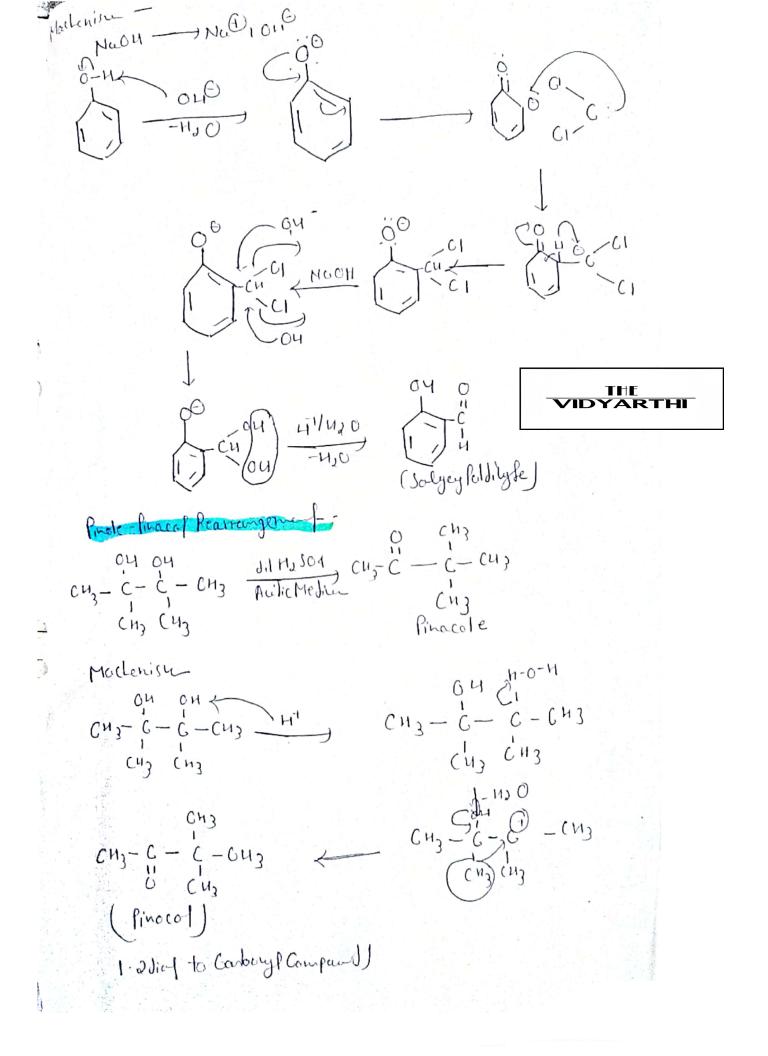
On Boiling Pour & of Michaels is Higher Hon the Alkanes of the Same molecu-Var weight. Soln O In Alkanes the Intermolecular Bands are any Vander waals forcer (weak) where in Alal Intermolecular Bands are any Hydrogen Band due to the where in Al choho- the Intermolecular Bands are Hybrogen Band due to the high electronegativity of Oxygen atom So more energy is required to brook Intermolecular Hydrogen Band then Van der Waal's forces.

Alchohales Alchohols can easily make Hydrogen Band with the molecules of the water due to polarize from where the other side the Alkanes are unable to make Hydrogen Band with the molecules of the water are unable to make Hydrogen Band with the molecules of the water are unable to make Hydrogen Band withwater molecule because of No polarization. Lef we have R-OH are Alchohol. when we prefit it in water. R-OH Intermolecular H-O-H Hydrogen Bo Hydrogen Banding. Lefwe have GH3-CHJ-OH are alchohof. when it reacts with 4,0. the molecular Hydrogin Banding. where the corresponding Alkane CH3-CH3 is unable to form any Hylrogen Bandwith water. (ii) When the molar man of Alchohol Increases, So the Vanderwalls forces increres. So the Boiling Ramfalso increres. Gorclusian -Alchohols @ Intermole and Hydrogen Banding. 1 ( High Polarizerfiam (1) Strong Wander Walls forces. Alkarer () No Intermole a dan Hydrogen Banding. ( Wrok Vander Waal's orces. a Observe to blystol -CHY HOH CHJ CHI CHOON 11001 Э СН CHOH CH CHICL (H)0H CHJOH (H)OH (F) Phonoir to Jacquilic Acid.

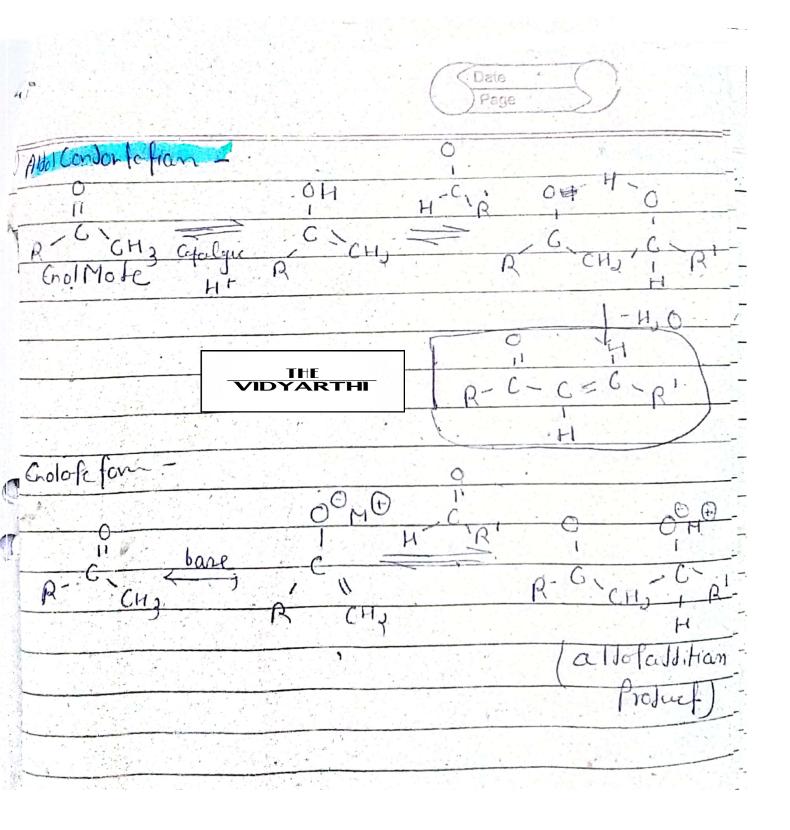


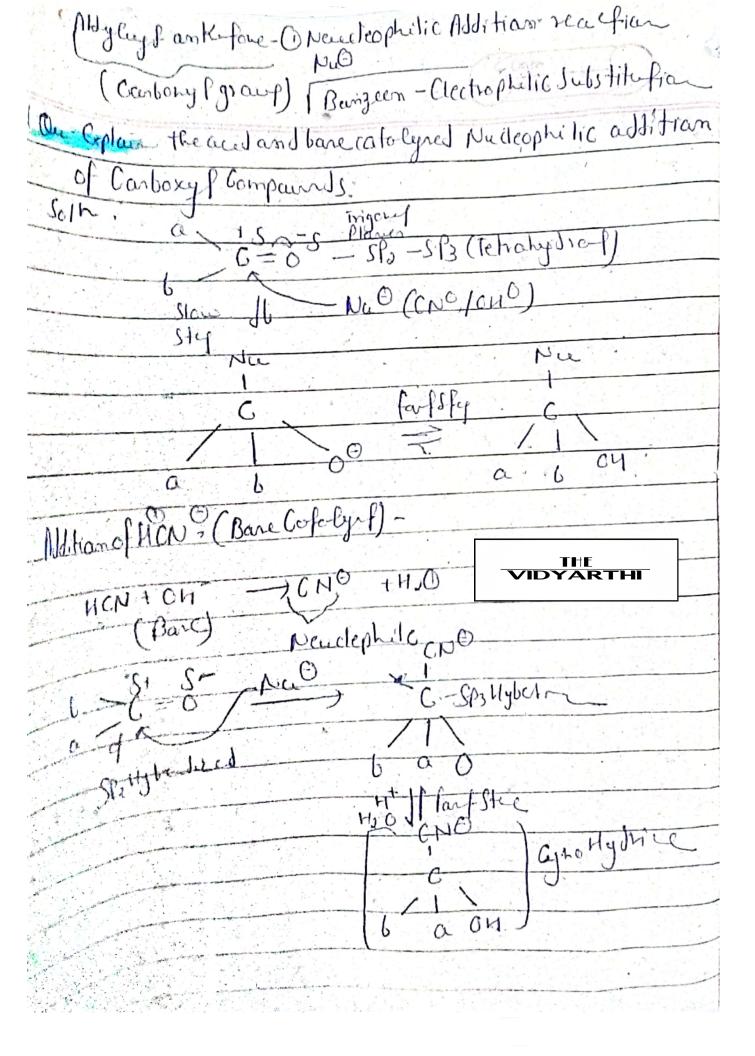


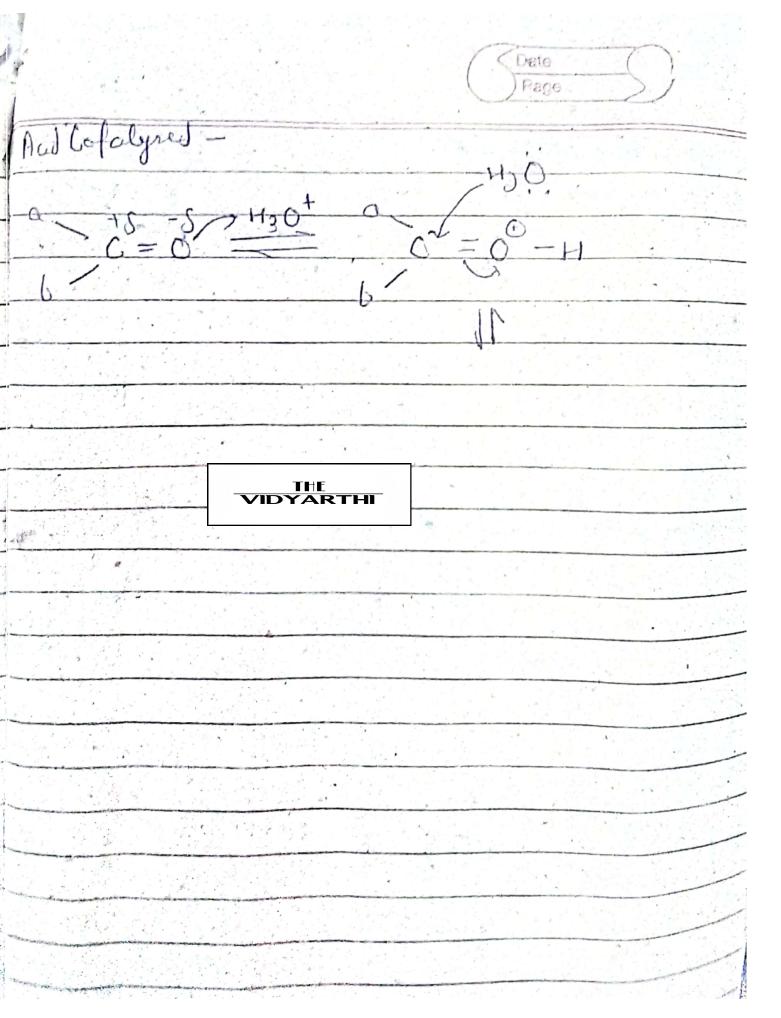


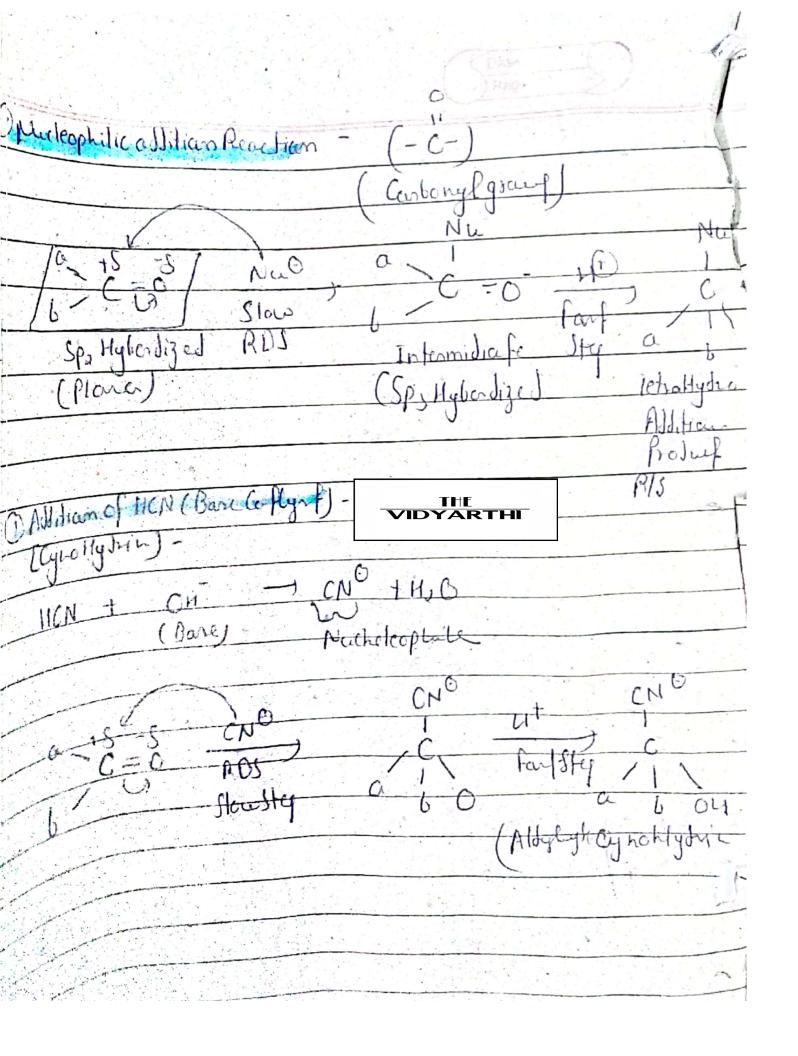


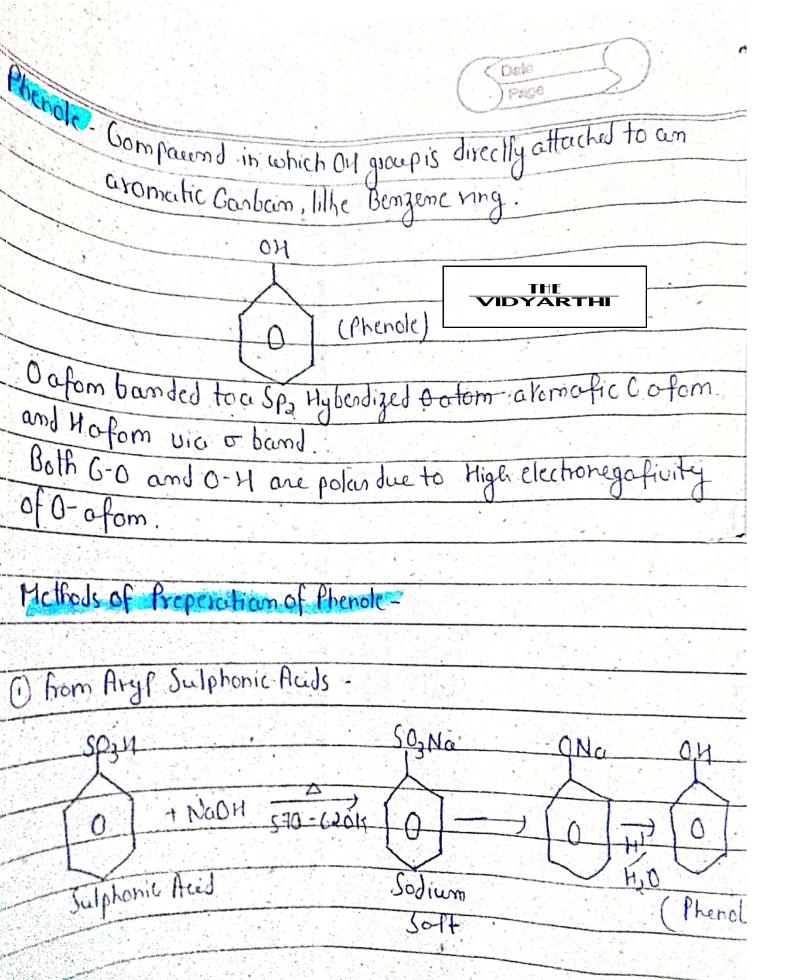
Chlero Banzeine, Brone Banzen (Jan Mayer) Noc1 CHC12 + HC1 Cfor( Blow Barzene) BromoBarzeene -Cus Brat HBr NOCI IdoBanzeere -1004

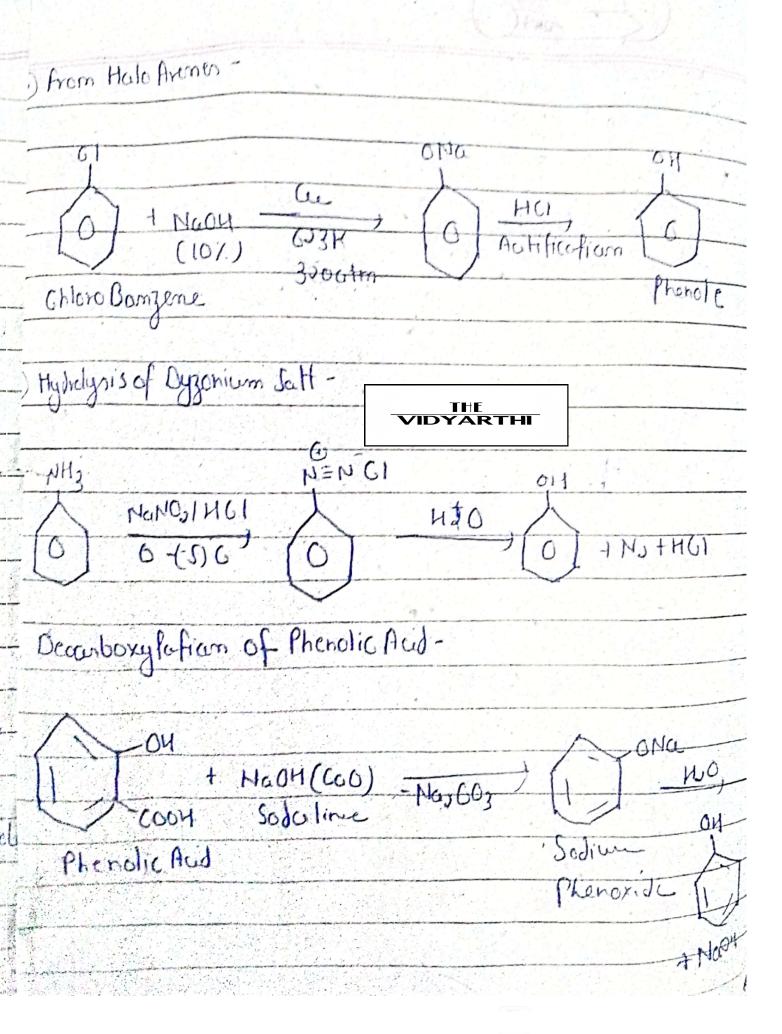


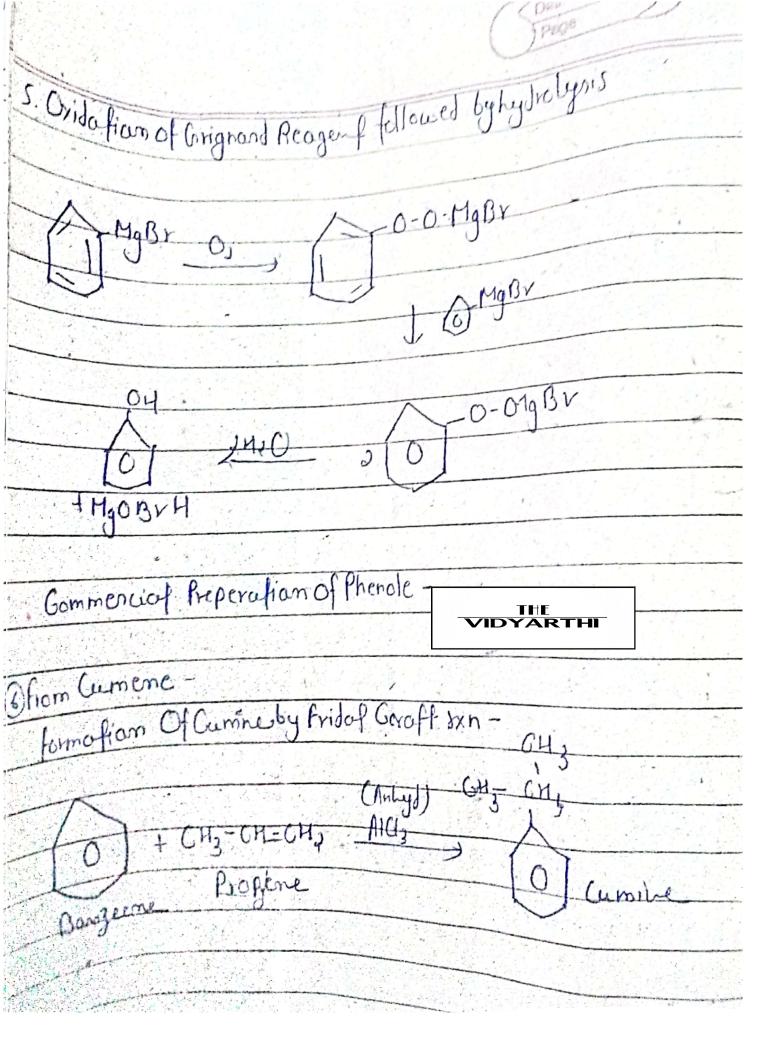


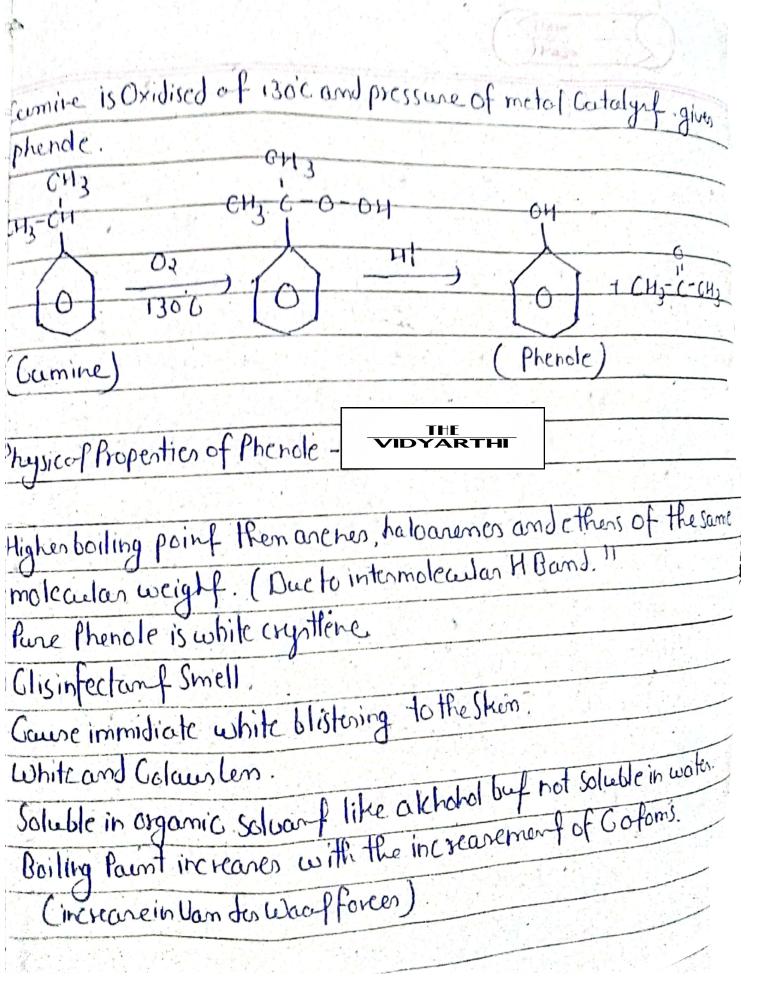


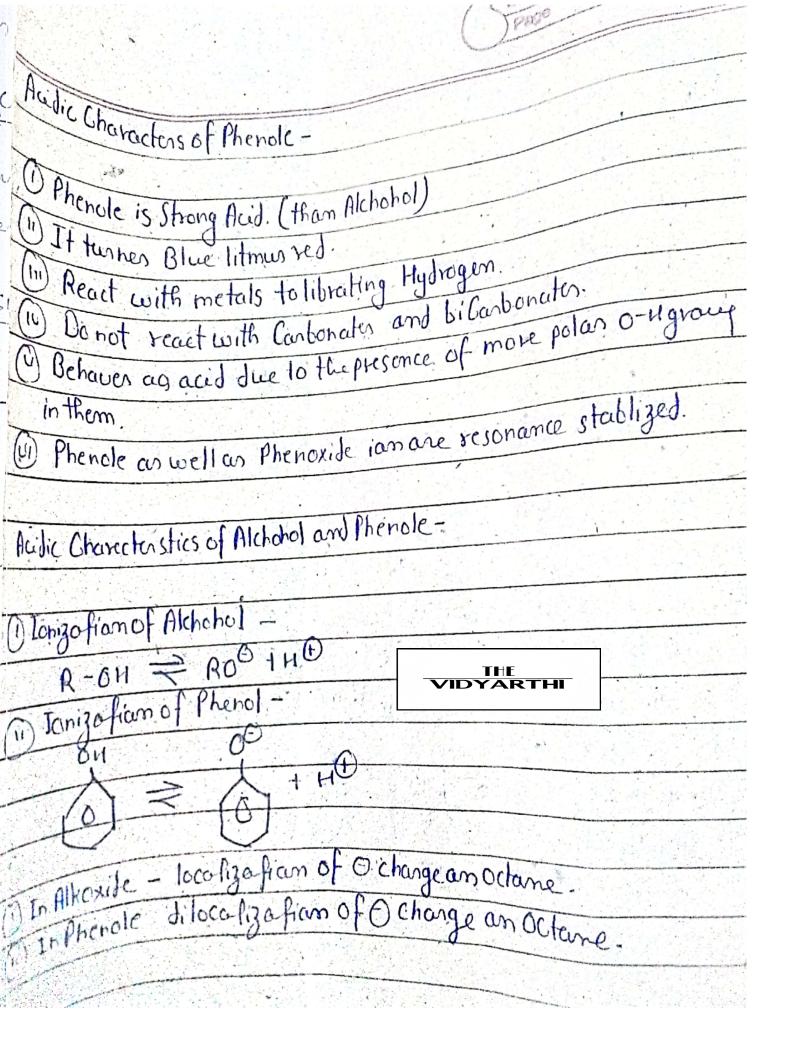


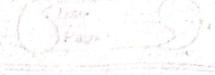












## :fectof Substances as Acidity of Phenole -withdrawing group such as nitrogroup enhances the acidity of Phenole. - withdrawing group works more frequently on ortho and para position. crelesing group like alkyl group do not favour the formation of phenoxide ian, decreases the acidity of the phenole. leactions of Phenole -Williamsan Synthesisonce 0643 011 (amisof) Salium Phenole Phenoxide Ether Strifico fram 647-6-61 +H61

Eg.

