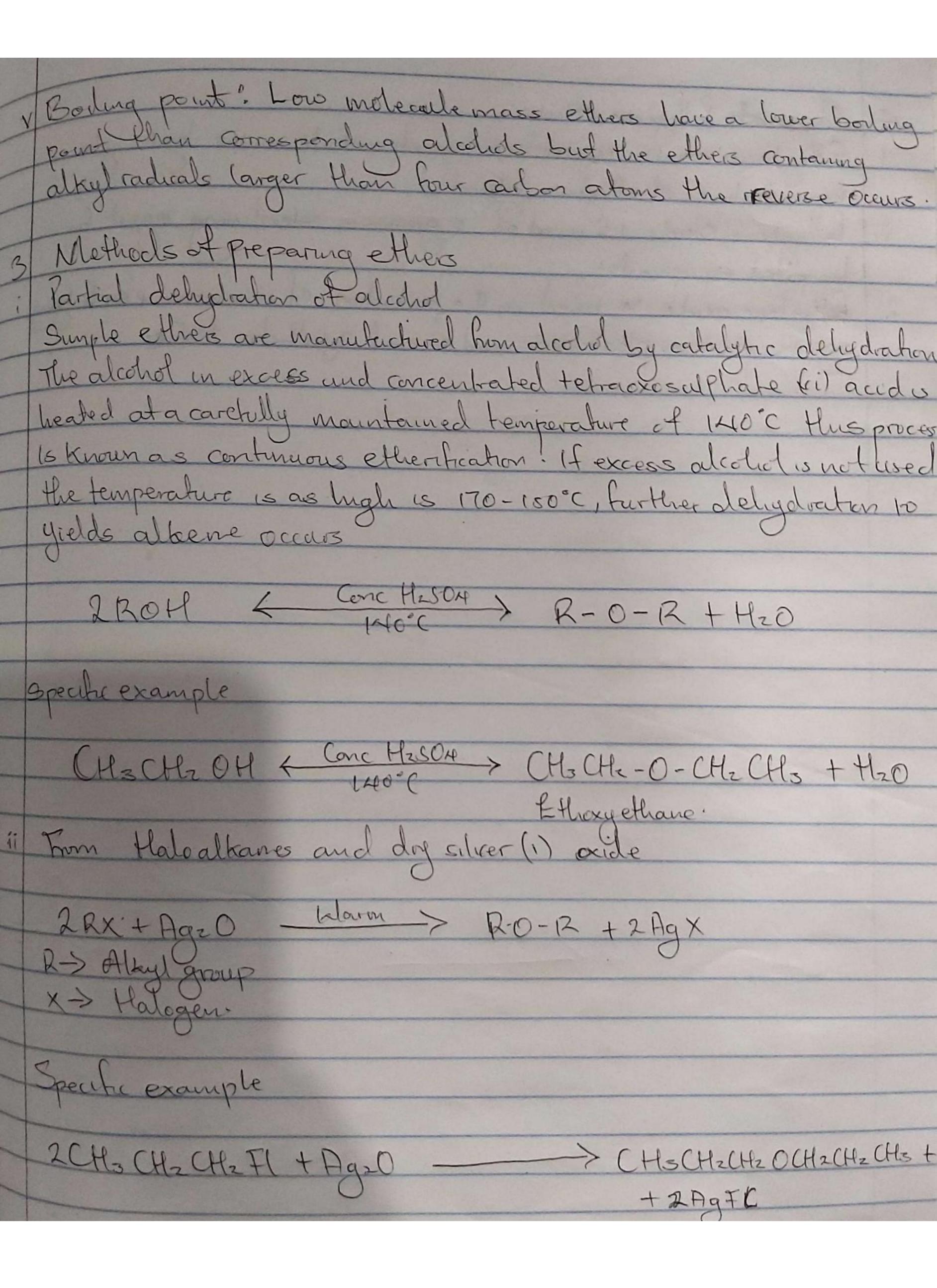
BILIAMEEN ADEDOLAPO ABDULFATTAH MECHATRONICS ENGUNIEERING 19/ BHG05/019. CH3 OCH3 Methoxymethane. Ethoxy ethane. CH3CH2OCHZCH3 (CH3CH2CH2)20 Bataxyonethane. CH3CH2OCH3 Methoxyellane. CH2 CH2 OCH2 CH3 Ethoxy propone. 2 Properties of Ethers:
i Physical States: At room temperatures, ethers are colonie neutral liquids with pleasent odours. The lower aliphatic are highly flamable gases or volable liquids. il Solubility Ethers are less soluble in water than are the correspond alcohole Lover molecular weight ethers Such as methoxymethan and methoxyethane are fairly Soluble in water since the molecule are able to form hydrogen bonds with the water miderales but as the hydrocarbon confert of the molecules increases. There is a Corresponding decline in Solubility. Ultimately, ethers are muscible with most organic solvent. ii Density. Most of the simple ethers are less danse than water, although increases with increasing relative molecular wass and some aromatic ethers are denser than water ix Reactivity: Ethers are mert at moderate tenferatur. Their mertiness of moderate temperatures leads to their wide use as à reaction media. Simple ether are not commonly found in nature but the ether linkage is Present in such matural produit as sugar, star



Uses of Ethylene Oxide i Ethylene oxide is used as an intermediate in the hydrolytic mountainer of ethylene ophycol.

It Ethylene oxide is used as a gaesious Sterilizano agent ho hospatal equipments. Ethylene exide is used in the production of nonimonic ethillering agents, plastics, plasticisers and several synthetic textiles