

Name: Phani Biju Angela

Roll no: 1911H511051

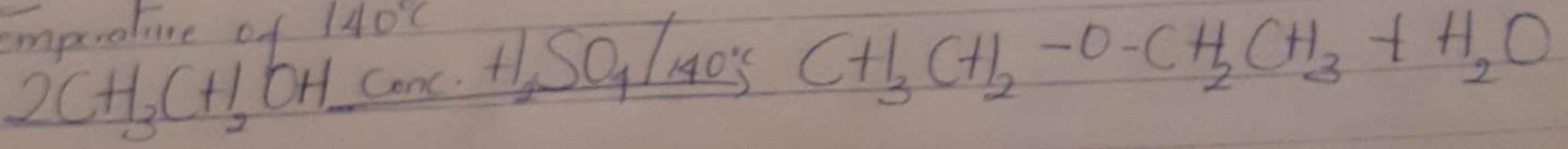
Department: Pharmacy

- 1) CH_3OCCH_3 - 1-Methoxyethane
- $\text{CH}_3\text{CH}_2\text{OCH}_2\text{CH}_3$ - Ethoxyethane
- $(\text{C}_6\text{H}_5\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_2)_2\text{O}$ - Bisoxymethane
- $\text{CH}_3\text{CH}_2\text{OCH}_2$ - 1-Ethoxyethane
- $\text{CH}_3\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_3$ - Ethoxypropane

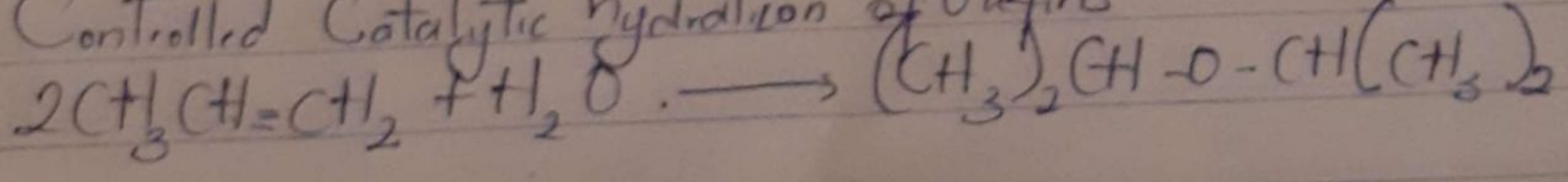
2) Physical States: At room temperature, ethers are colorless

- Solubility
- Density
- Boiling Point
- Reactivity

3) Partial dehydration of alcohols: Simple ethers are manufactured from alcohols by catalytic dehydration. The alcohol in excess and concentrated tetraoxosulphate (VI) acid is heated at a carefully maintained temperature of 140°C



Controlled Catalytic hydration of olefins



4) Ethylene oxide is used as a gaseous sterilizer agent
Ethylene oxide is used as an intermediate in the hydrolytic manufacture of ethylene glycol

Ethylene oxide is used in the preparation of non-ionic emulsifying agents