

Encephere

Name: Ashabha Mirabyl

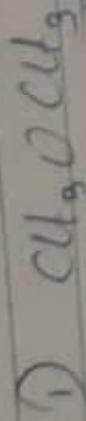
Mirabyl

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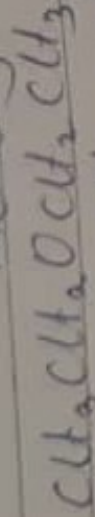
Matric No: CUM1102

Course Code: CUM1102

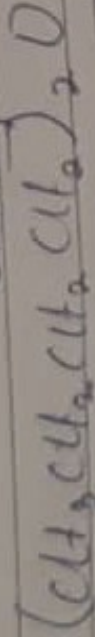
Department: Medicine and Surgery



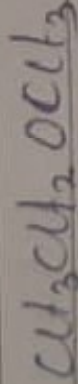
Methoxy methane



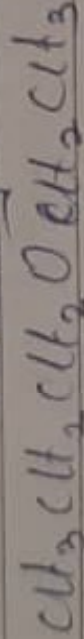
Ethoxy ethane



Butoxy methane



Methoxy ethane



Ethoxy propane

2. Ethers are colourless, neutral liquids with pleasant smell at room temperature. Lower aliphatic ethers are highly flammable and volatile liquids gases.

• Lower molecular ethers are fairly

soluble in water. Their solubility decreases with increase in hydrocarbon content.

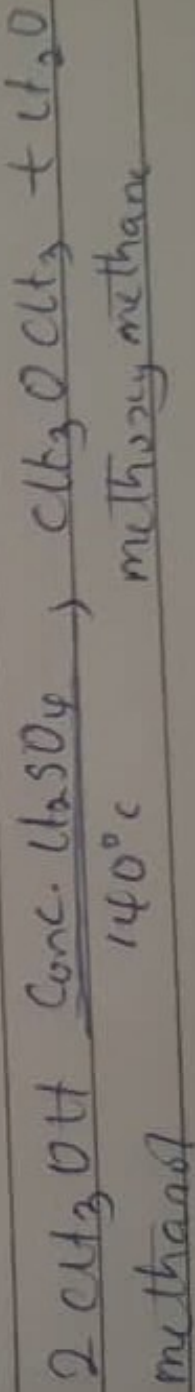
Simple ethers are less dense than water. Density increases with increasing molecular mass

Low molecular mass ethers have low boiling point

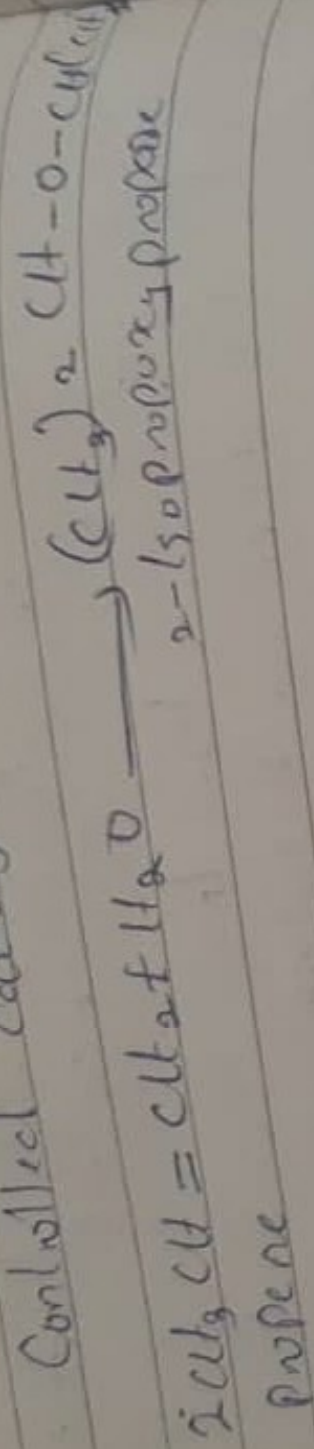
Ethers are inert at moderate temperature

③ Partial dehydration of Alcohols

Simple ethers are produced from the dehydration of excess alcohols using conc H_2SO_4 under a temperature of $140^\circ C$



Controlled catalytic hydration of alkene



1) Ethylene oxide is used as a gas flow sterilizing agent

Ethylene oxide is used as an intermediate in the hydrolytic manufacture of ethylene glycol

Ethylene oxide is used in preparation of non-ionic emulsifying agents, plastics, flash cures and several synthetic fibres.