

ORGANIC NAMED REACTION

1.

11/09/2020 LECTURE-3 By:-Dr.Rinky

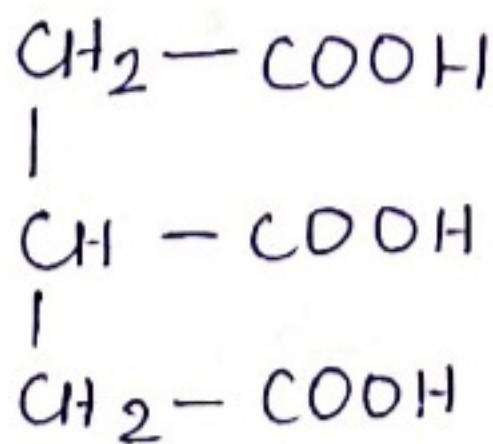
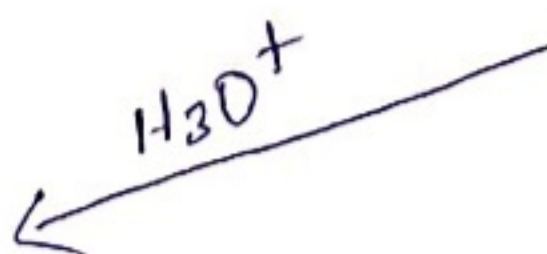
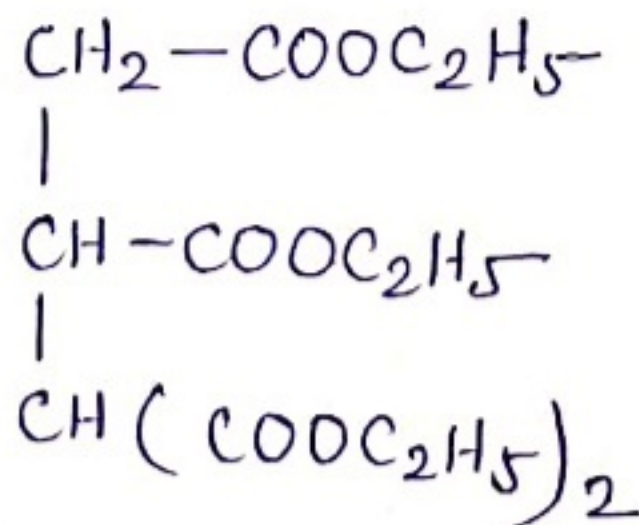
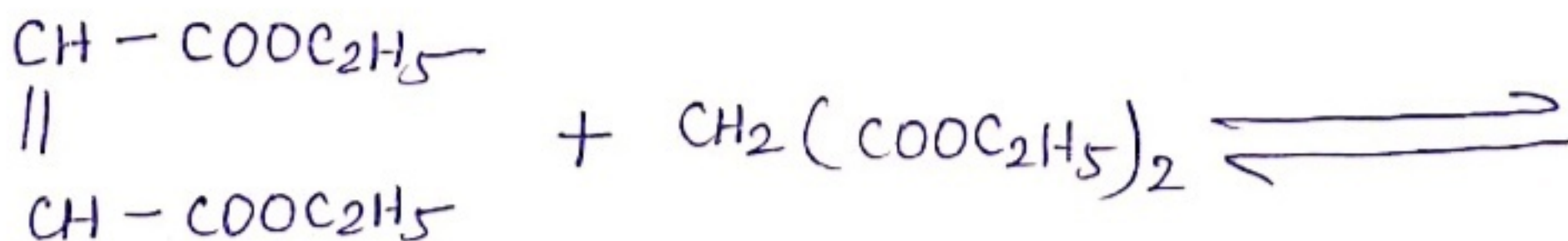
DEGREE-III (H), PAPER-VII

MICHAEL ADDITION REACTION (CONTINUED..)

SYNTHETIC APPLICATION

* The reaction is of great synthetic importance since a variety of organic compounds can be synthesized with the help of this reaction.

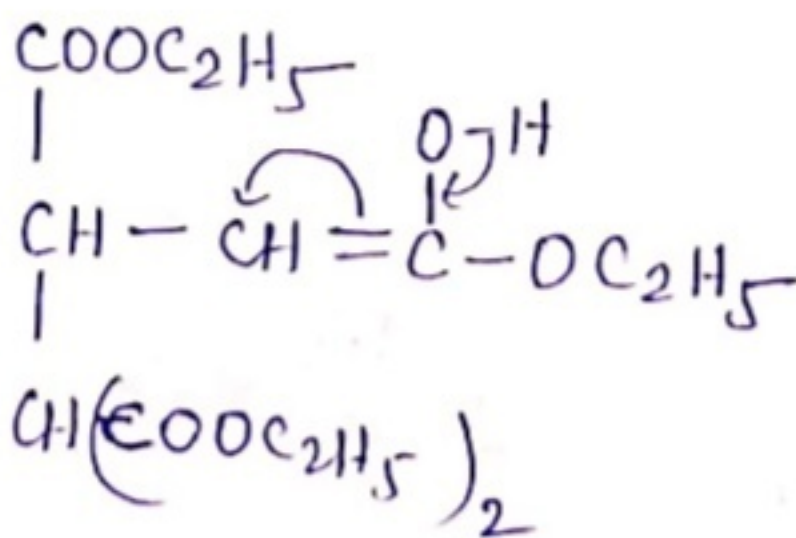
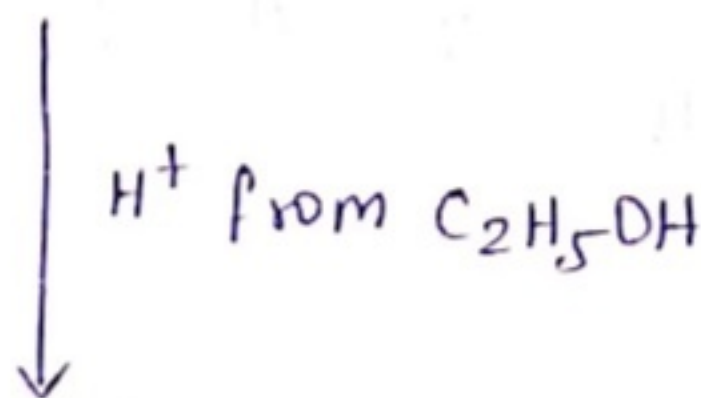
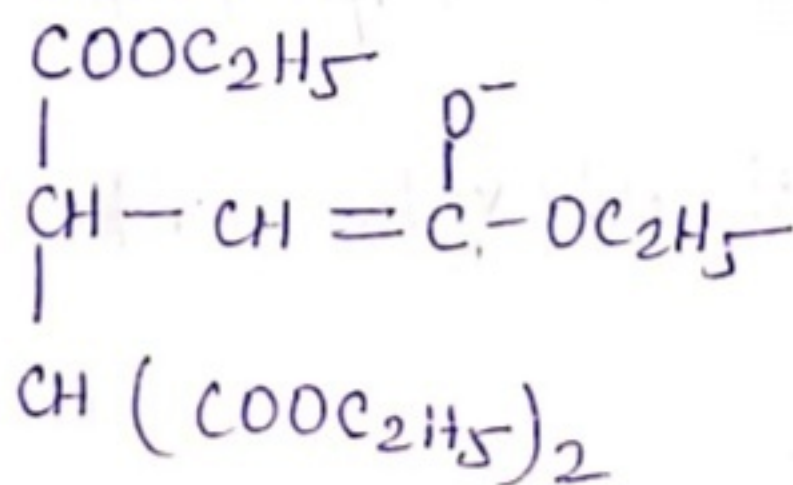
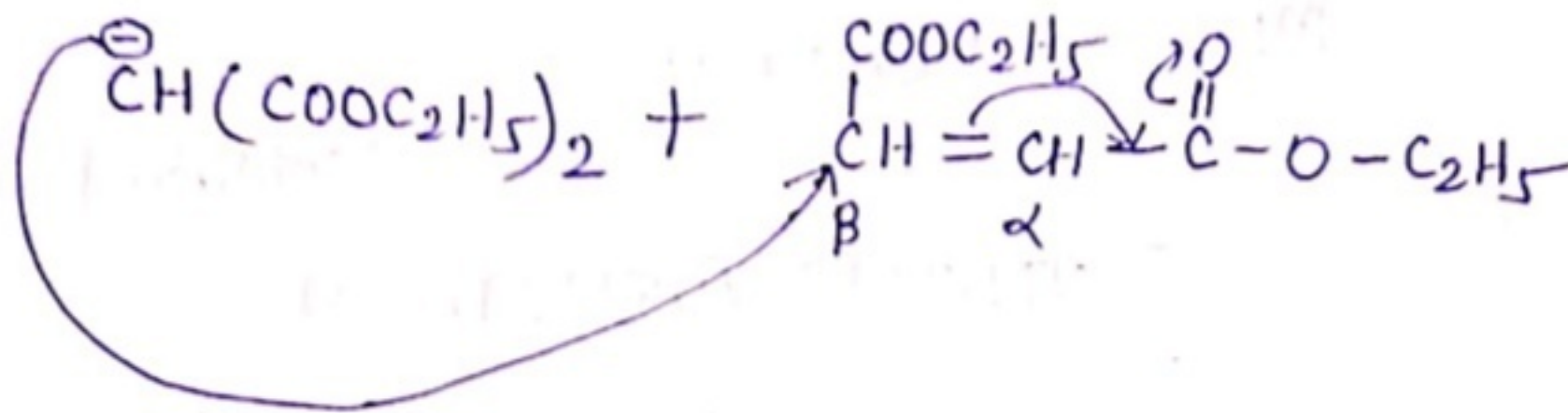
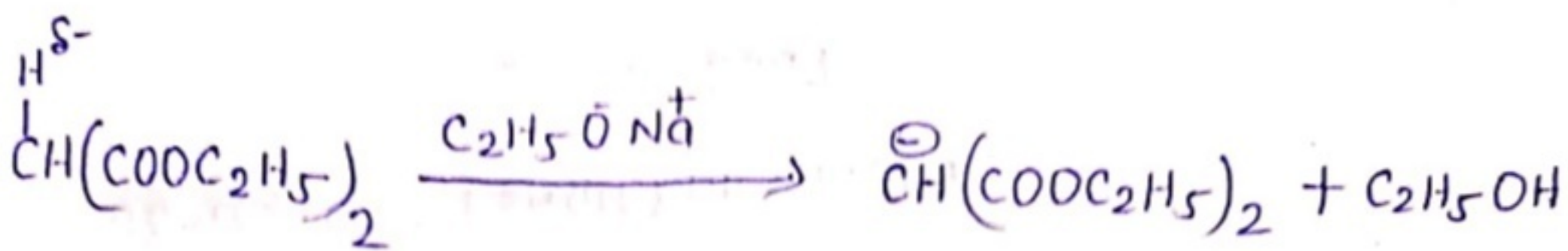
1) Synthesis of Tricarboxylic acid:



propan-1,2,3-tricarboxylic acid.

MECHANISM

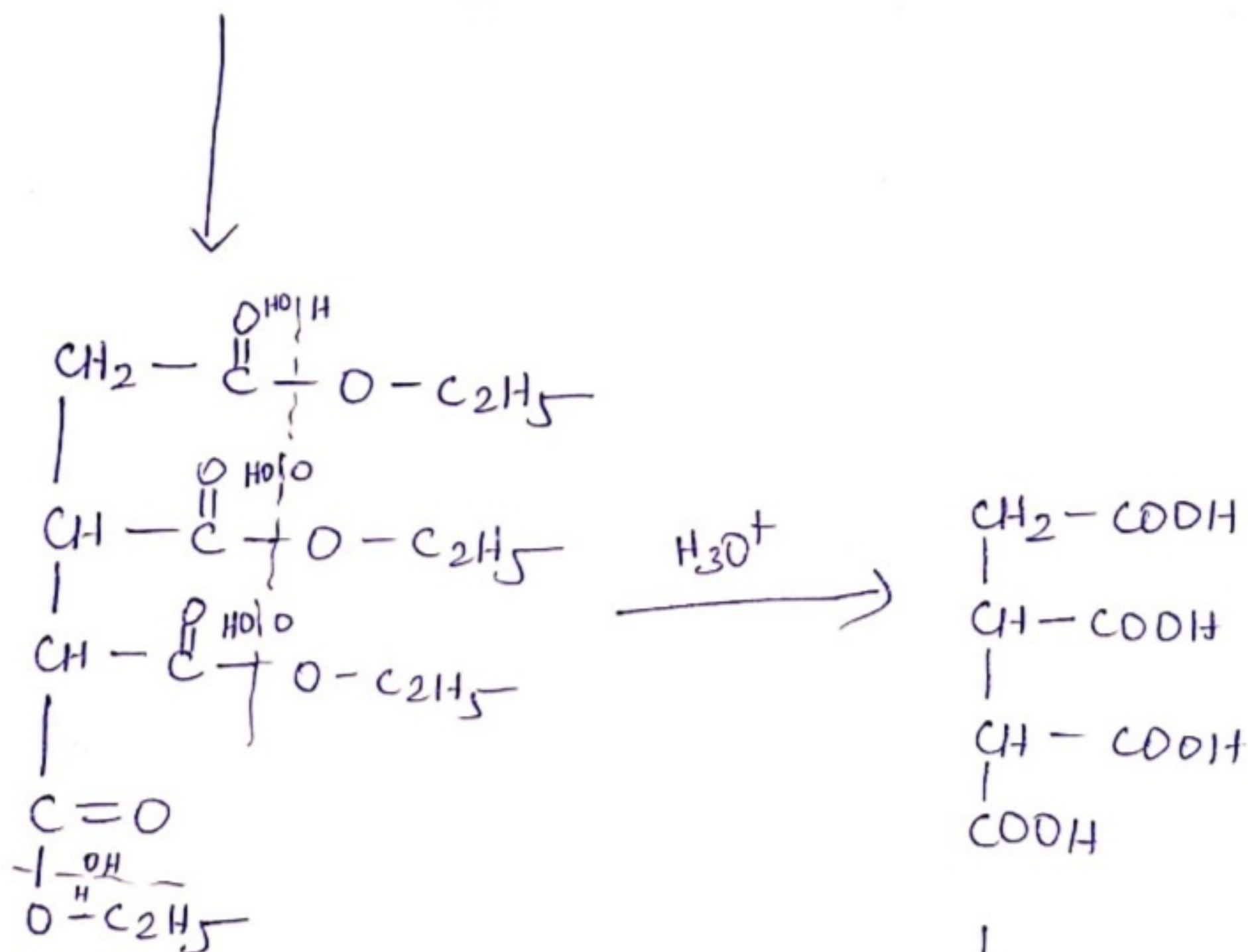
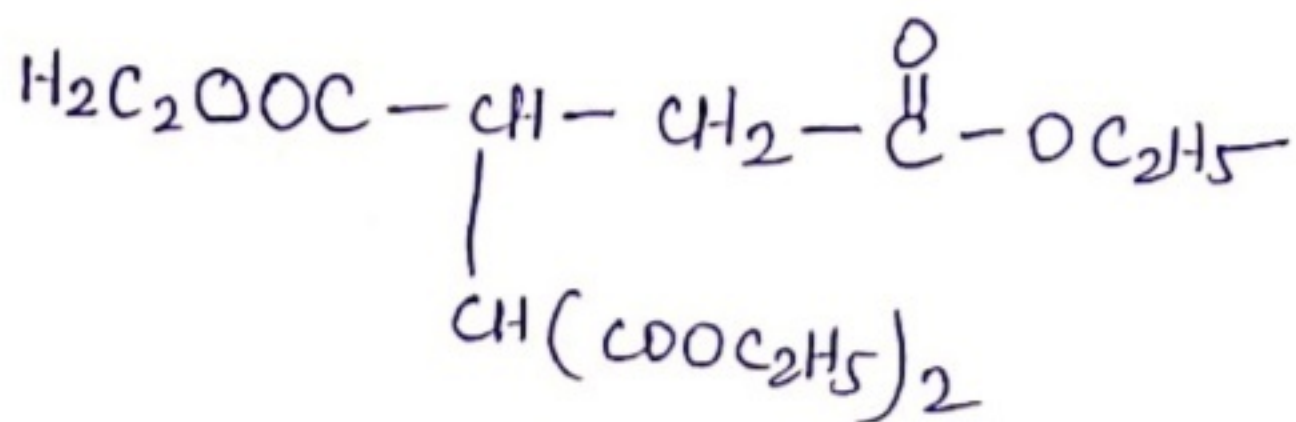
2.



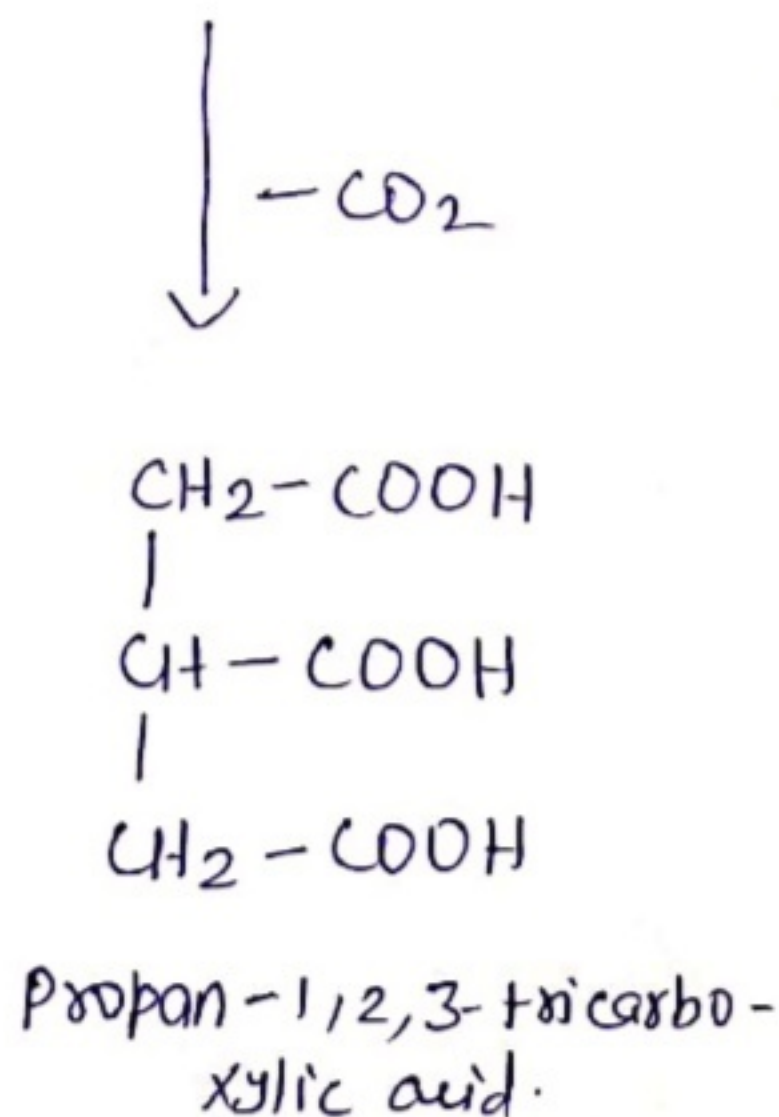
↕
Continued..

Continued..

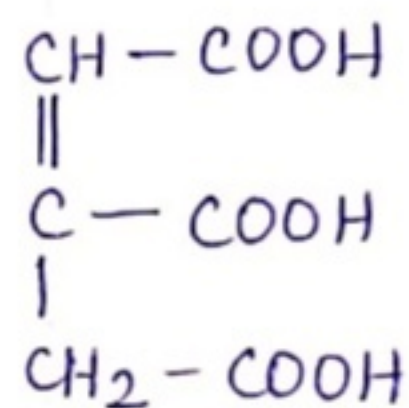
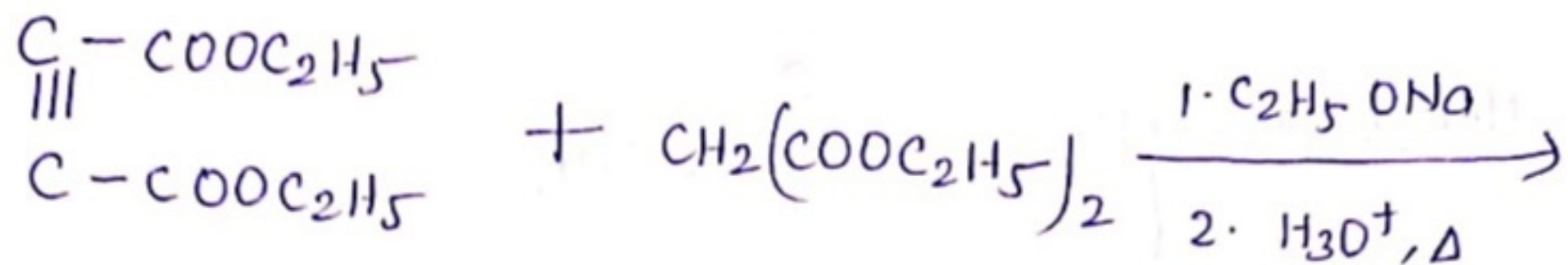
3.



* Ester of tricarboxylic acid
are used as plasticisers.



2. Synthesis of Aconitic acid 4.



Aconitic acid

* Aconitic acid is used in the preparation of medicines for relieving pain (analgesic) and reducing fever. Its esters are used as plasticisers.

To be continued in next lecture..