

CL988 - B.Sc. Part I (Honours)

Subject - chemistry

Paper - IC

Topic - unsaturated alcohol
(Allyl alcohol)

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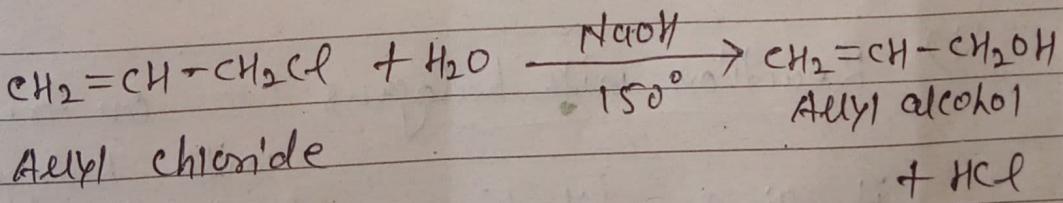
H. D. Jain college, Agra

Allyl alcohol (unsaturated alcohol)

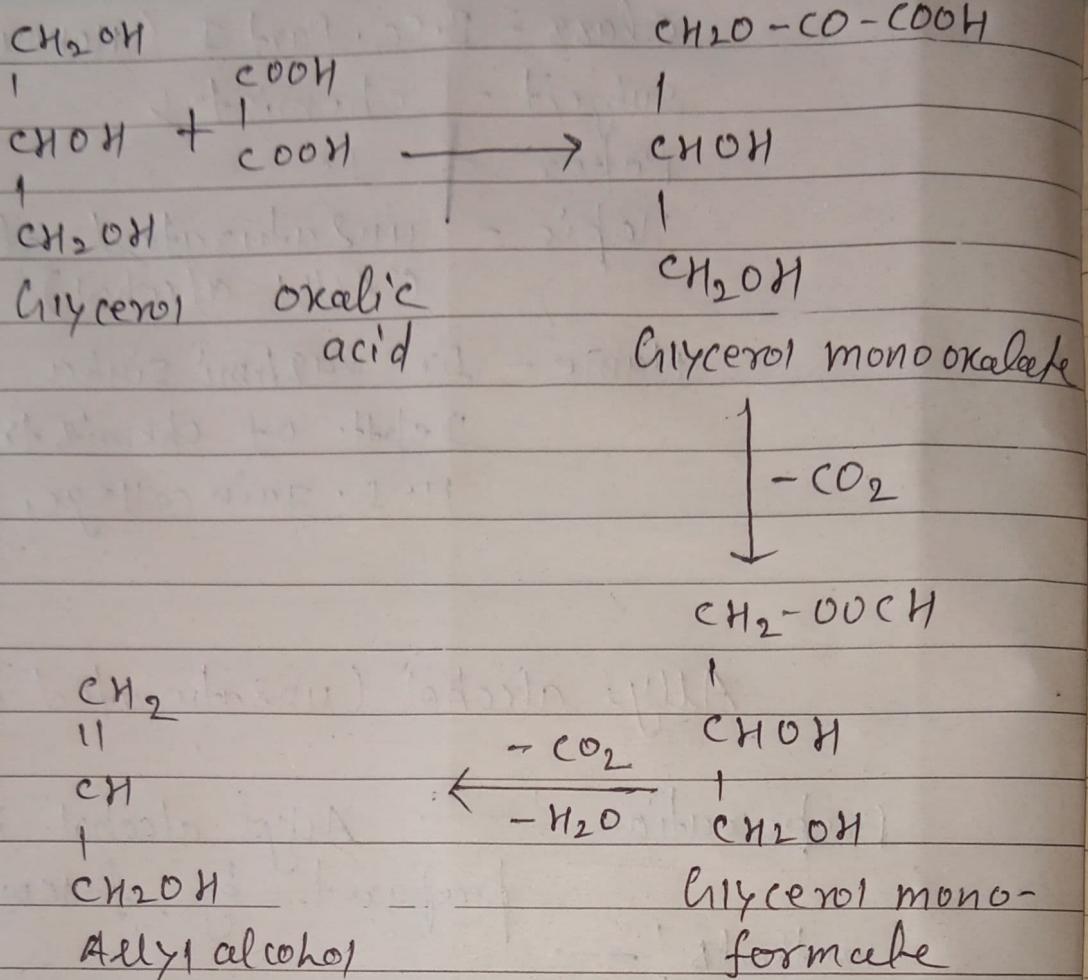
Preparation ! — Allyl alcohol is prepared by following methods ! —

(i) From Allyl chloride (commercial method)

It is prepared by the hydrolysis of allyl chloride with dilute and boil NaOH (alkali) solution under pressure.

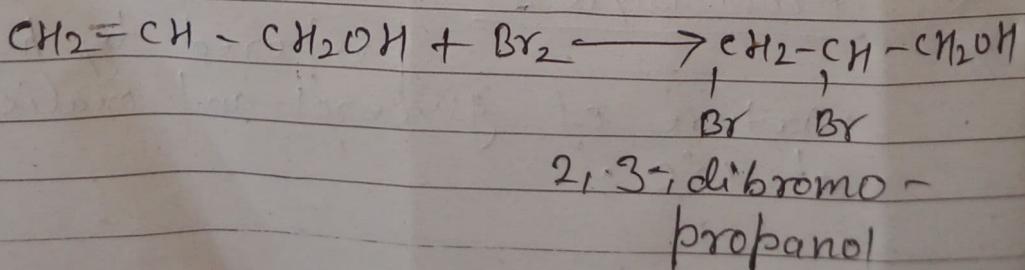


(ii) From Glycerol ! — Axylic alcohol is prepared by heating a mixture of glycerol and oxalic acid at 260°C .

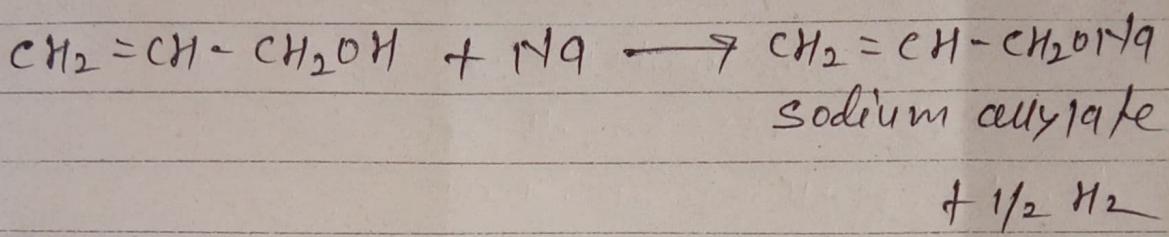


Chemical properties 1 - Since allyl-alcohol has double bond and alcoholic function both, hence it behaves as an olefin as well as alcohol.

(i) Reaction with halogens 1 - On treatment with halogen atom it gives dihalogen derivative,



(ii) Reaction with Na ! — It reacts with sodium (Na) to give Sodium allylate with the evolution of hydrogen.



(iii) Reaction with HCl ! — On treatment with HCl it gives allyl chloride.

