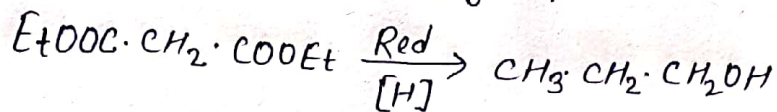
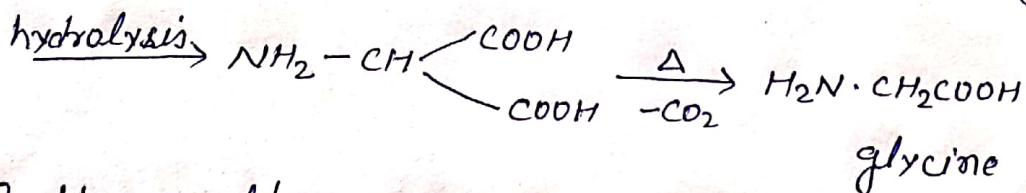
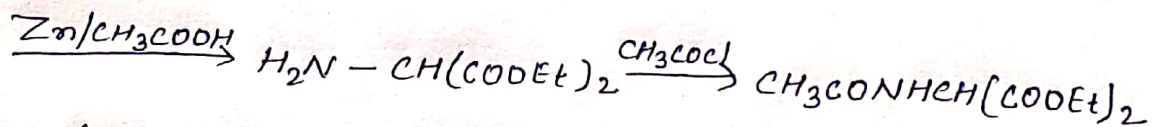
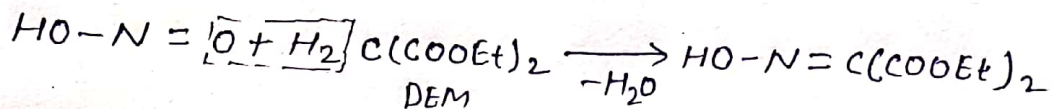


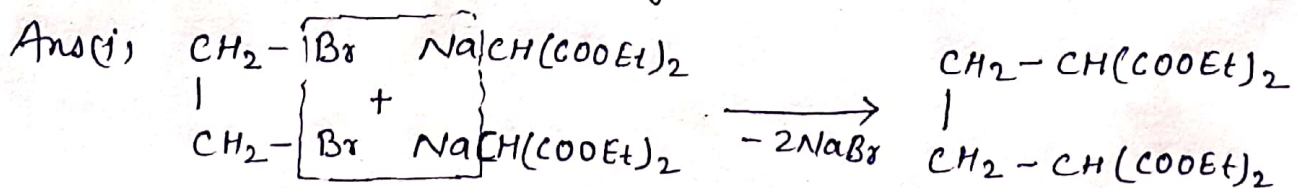
1 Synthesis of 1° alcohol: On heating malonic ester with hydrogen in presence of heated CuCrO_4 . The one ester group is reduced to CH_2OH and another to CH_3 group.



2 Synthesis of amino acids -



Q How would you obtain the following from diethylmalonate (DEM)?
 (i) Adipic acid (ii) α -Ethyl Succinic acid (iii) Barbituric acid
 (iv) Acetyl acetone. (v) phenylglucinal



1,2-dibromoethane Sodio-deriv of DEM

