

POLYHYDROXY COMPOUNDS ^{1.}

14/06/2021 Lecture-6 Deg-I (Hons.)

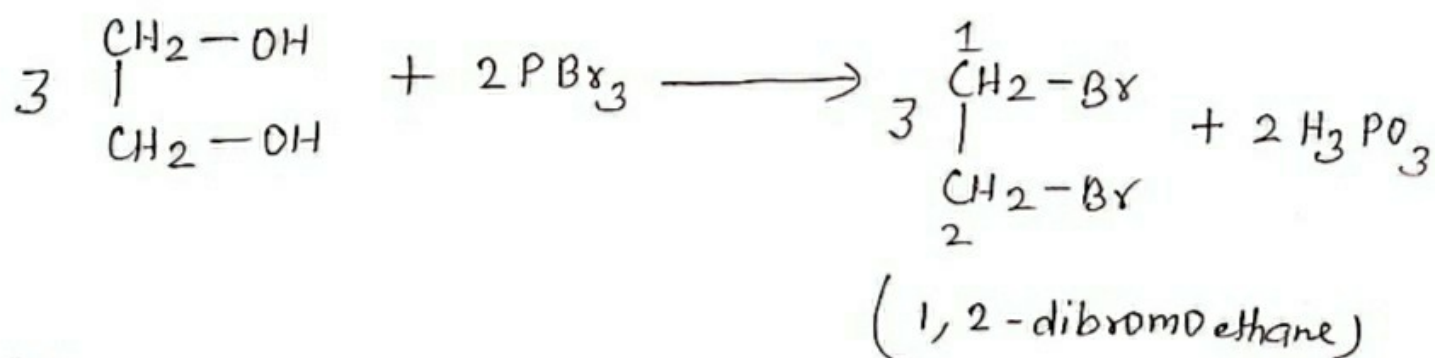
Paper-II Group-B Chapter-3

Topic :- Chemical Properties Of Ethylene

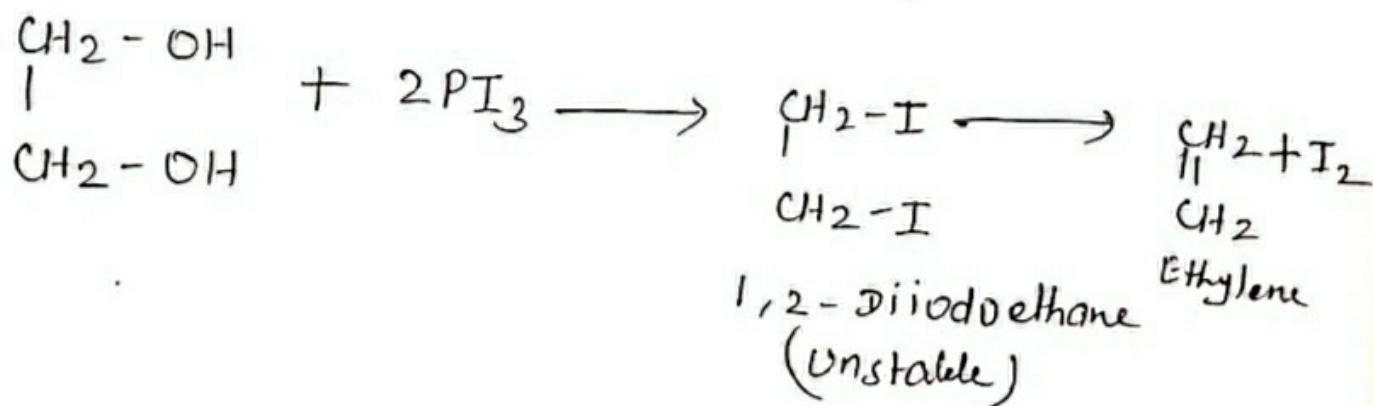
Glycol Continued...

Reaction with PX₃

It reacts with phosphorus trichloride or phosphorus tribromide to form corresponding dihalides when both the -OH groups are replaced by halogen atom.



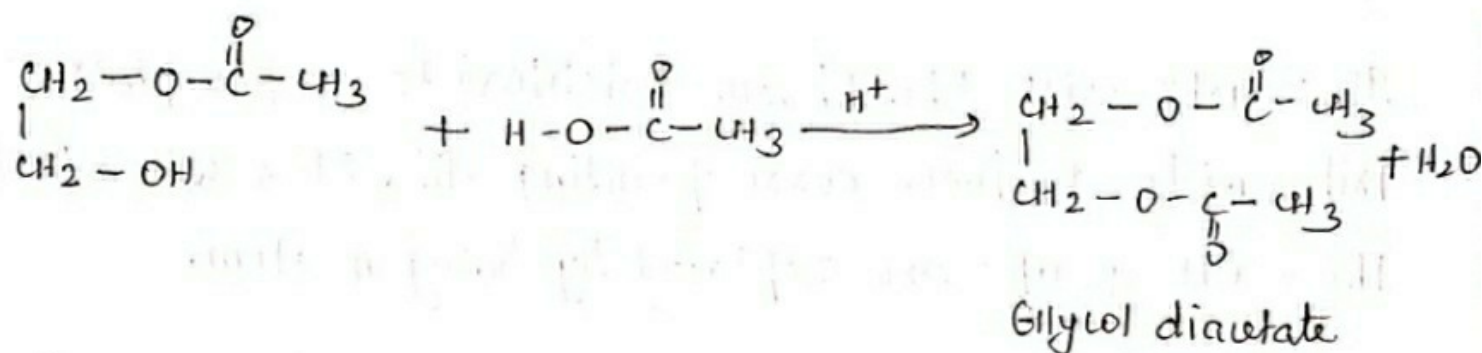
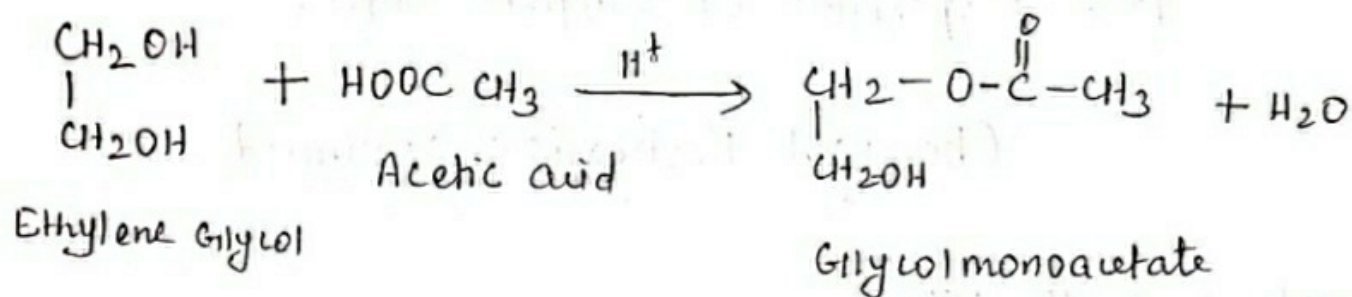
PI₃, however produces ethylene diiodide which being unstable at once yields iodine and ethylene.



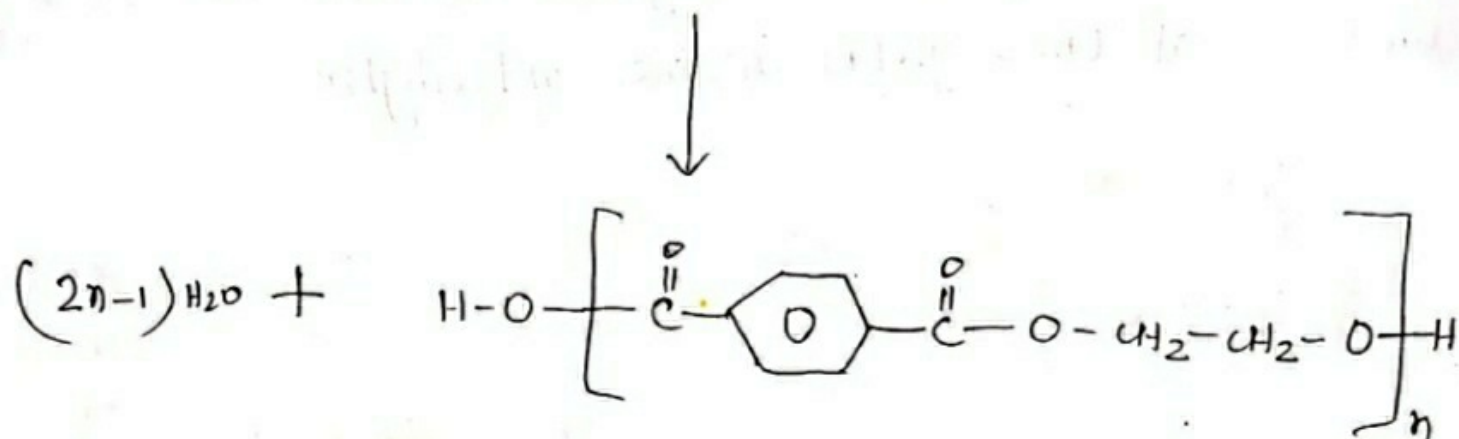
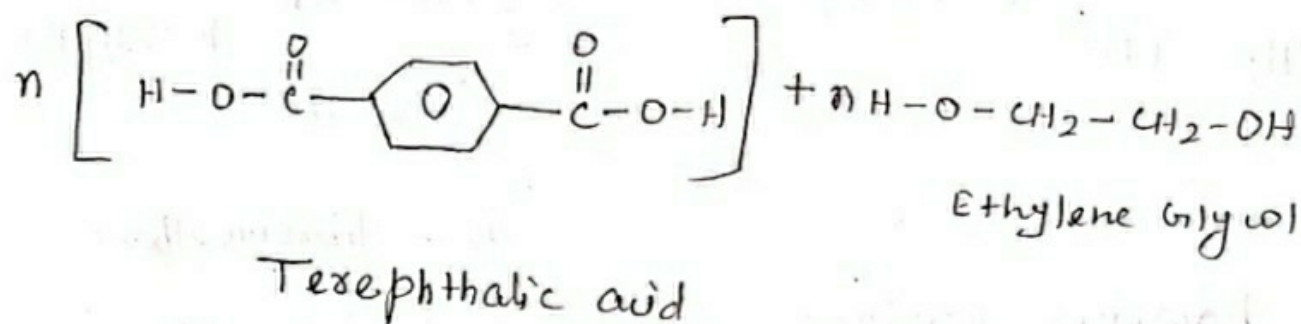
Reaction with Carboxylic acid

2.

It reacts with carboxylic acid to give mono or diesters. Depending upon the relative amount of ethylene glycol and acid taken.



When esterified with a dibasic acid, it forms polymers. eg;



Terylene or Dacron **Contd..**