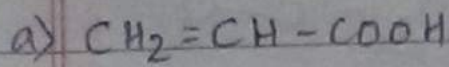
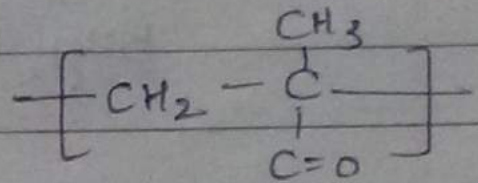
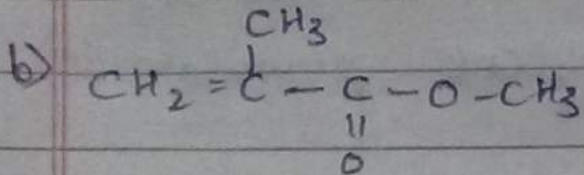
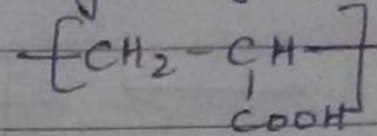


1.1

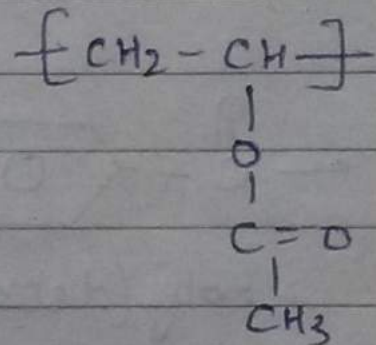
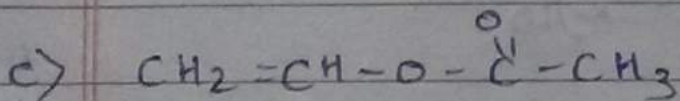
Repeating Unit & name.



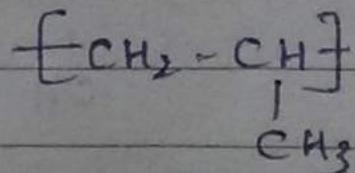
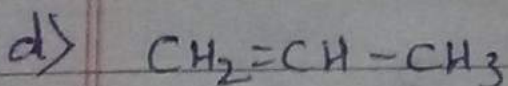
poly(acrylic acid)



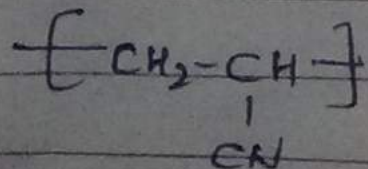
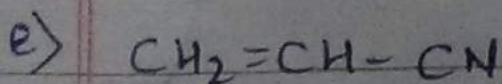
poly(methyl methyl  
acrylate)



poly(Vinyl acetate)

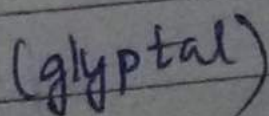
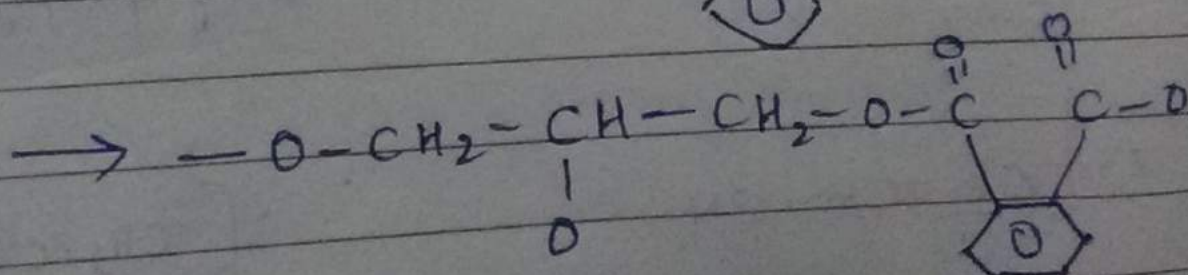
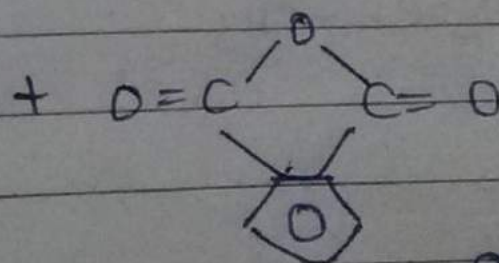
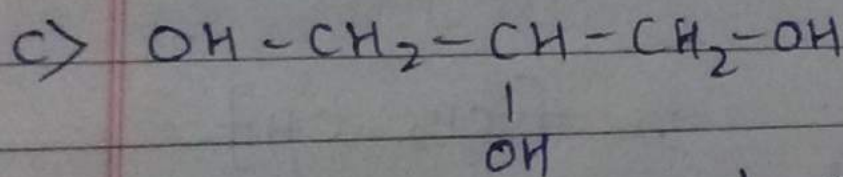
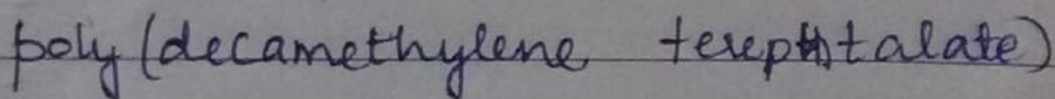
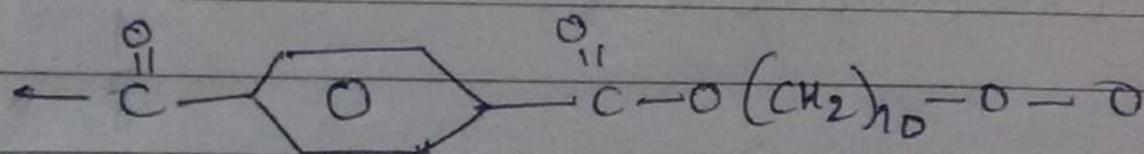
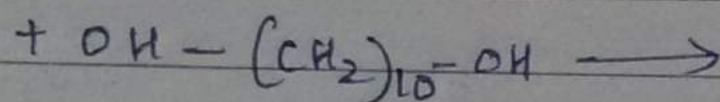
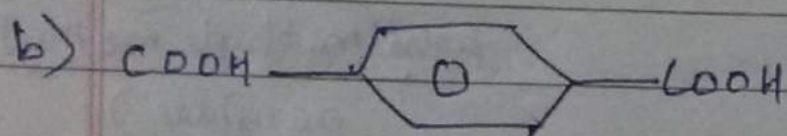
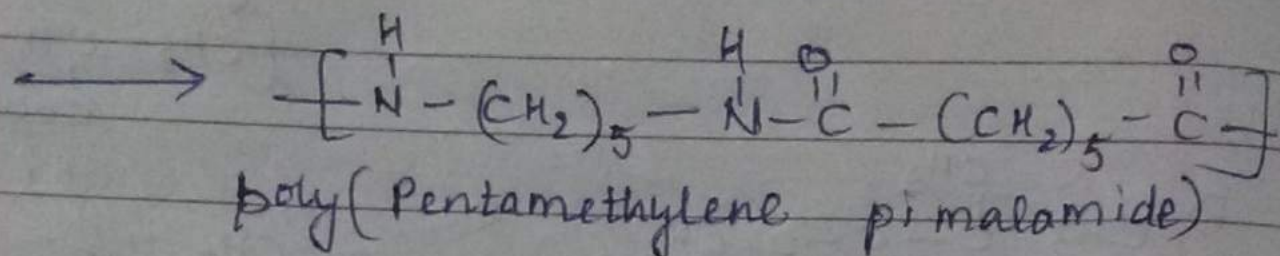
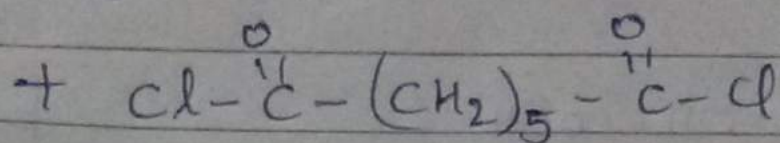
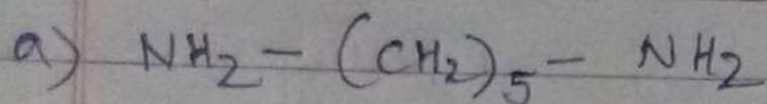


poly propylene

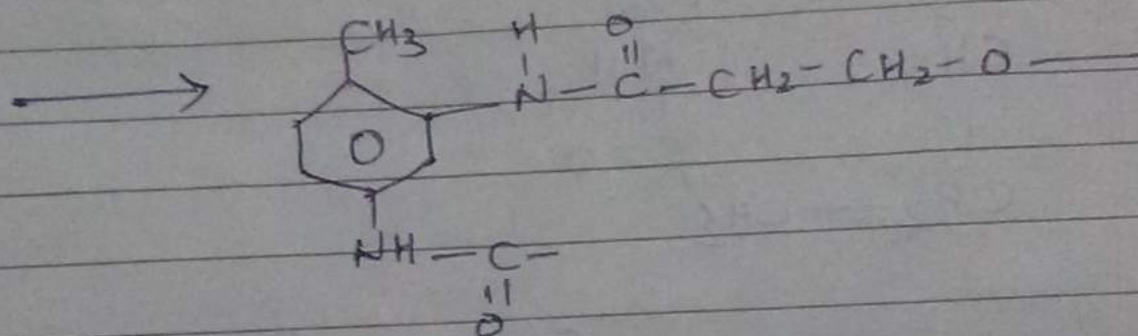
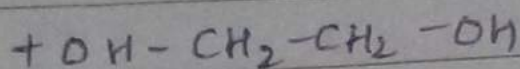
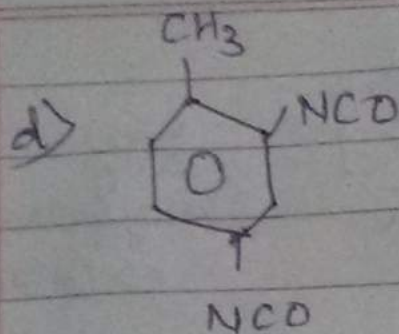


polyacrylonitrile

(1.2)





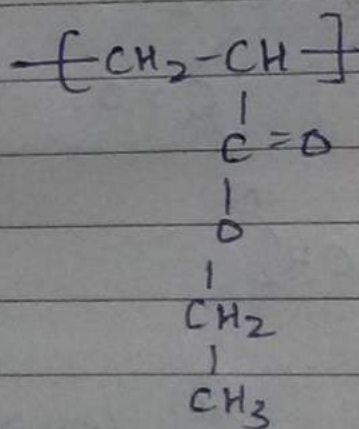
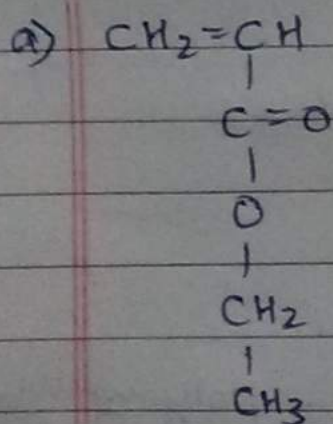


1.3)

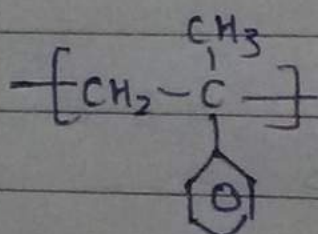
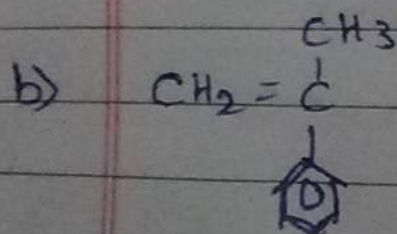
Monomer

Repeating unit

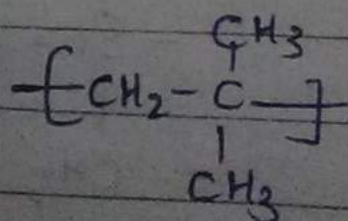
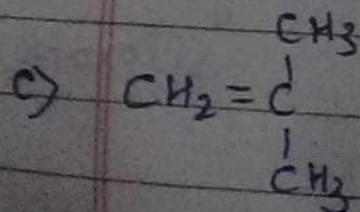
Polymer



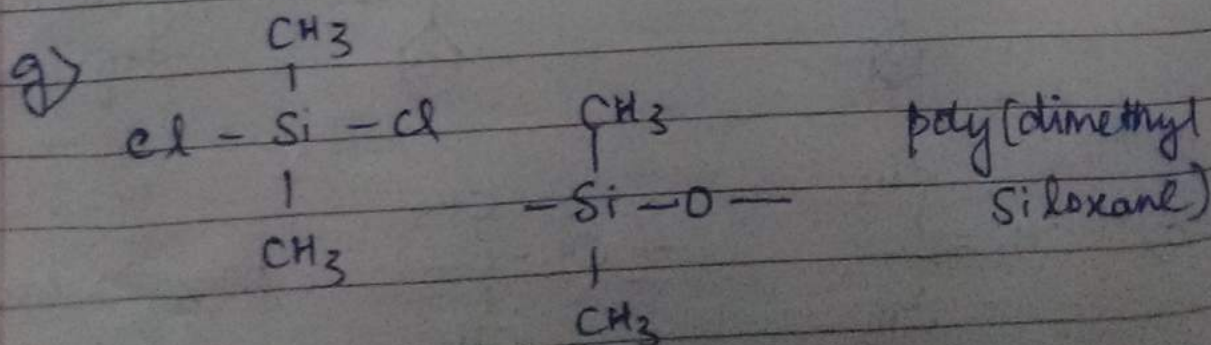
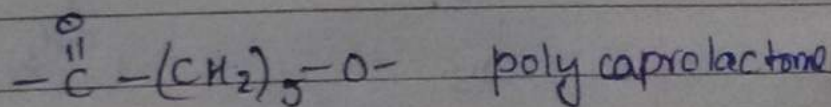
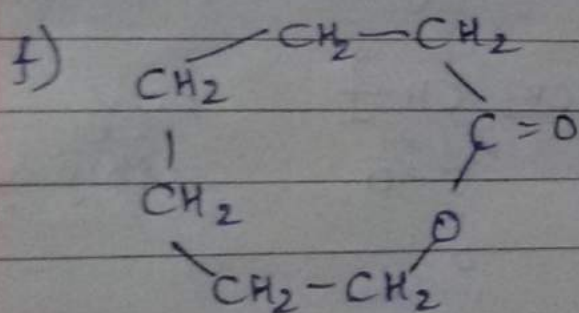
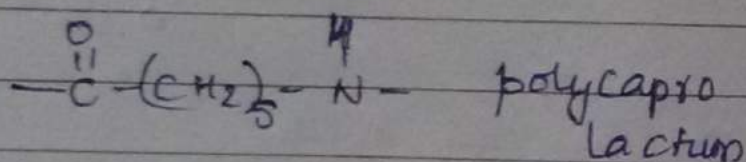
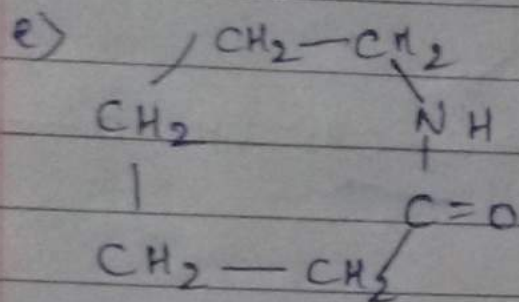
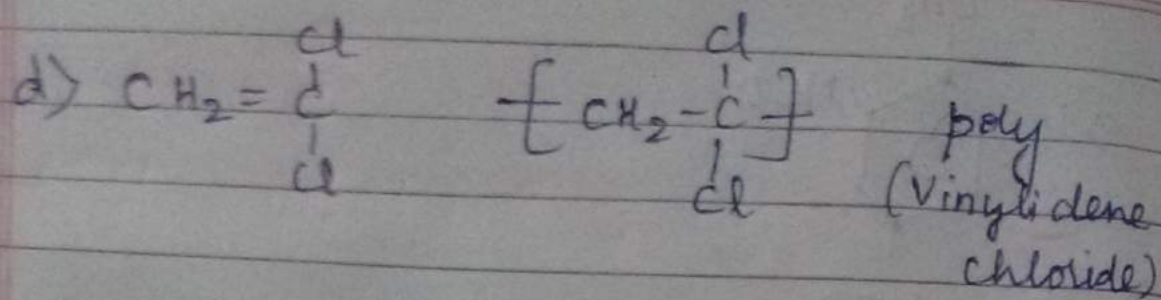
poly  
ethylacrylate



poly (α-methyl  
styrene)

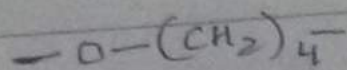
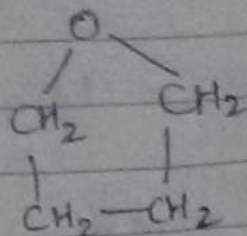


poly isobutylene





h)



poly(tetra methylene oxide)

1.4)

Polymer

Yes

No

Linear

Branched/cross linked

a) ✓

b) ✓

c) ✓

d) ✓

e) ✓

f) ✓

g) ✓

h) ✓

i) ✓

j) ✓

k) ✓

1.5)

a) M.W. of repeating unit = 113 g

Total M.W. =  $113 \times 10^3$  g/mole

b) M.W. of repeating unit = 192 g

Total M.W. =  $192 \times 10^3$  g/mole

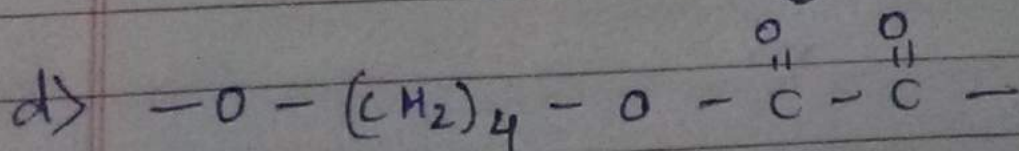
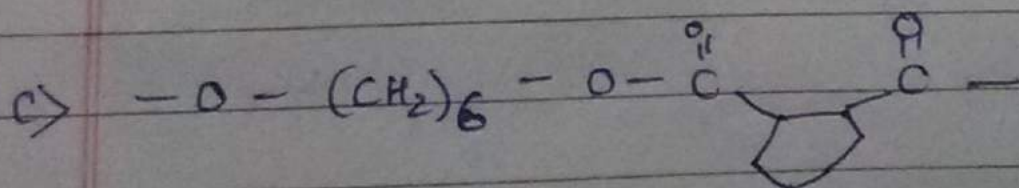
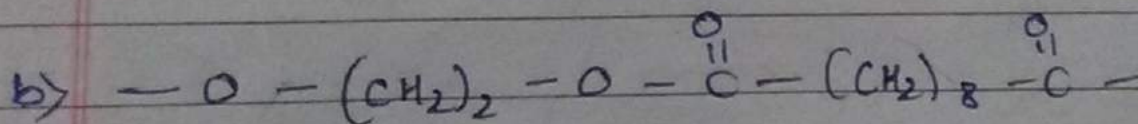
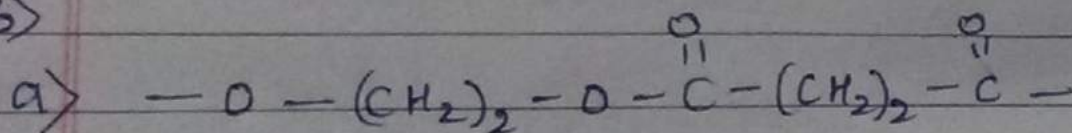
c) M.W. of repeating unit = 118 g

Total M.W. =  $118 \times 10^3$  g/mole

d) M.W. of repeating unit = 254

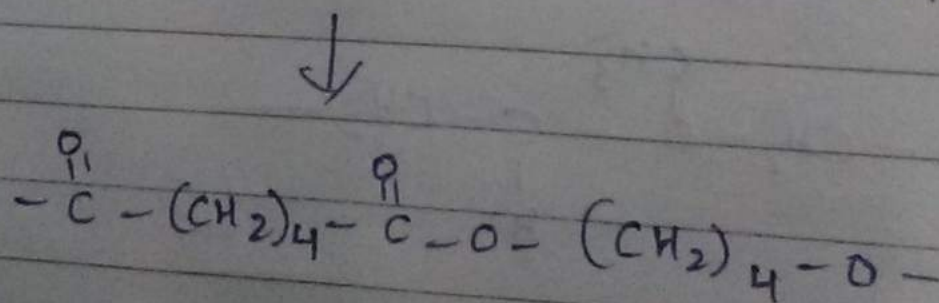
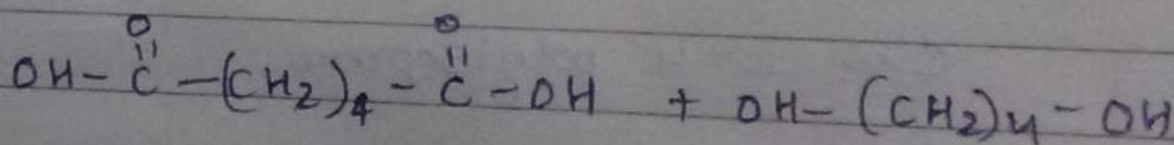
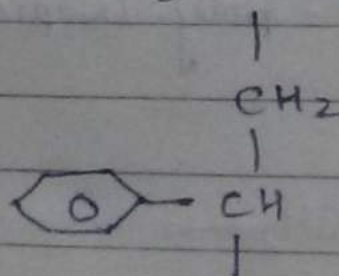
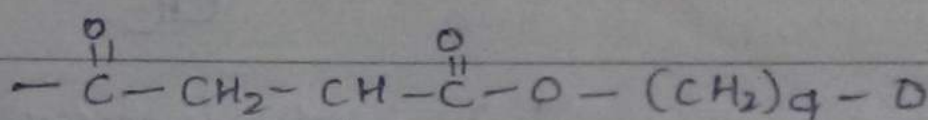
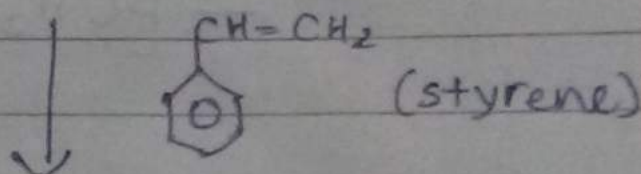
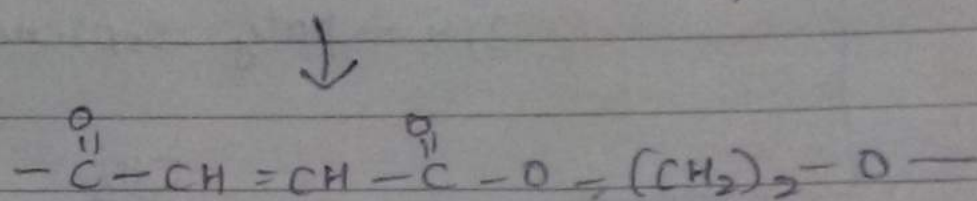
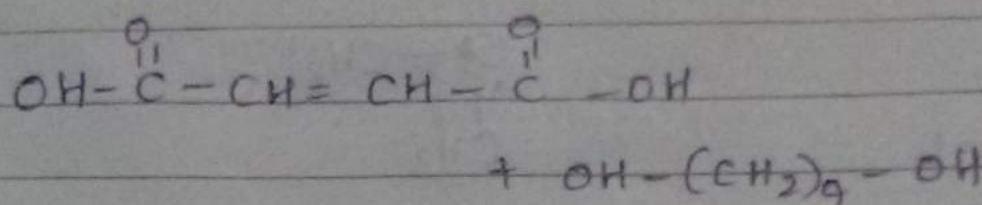
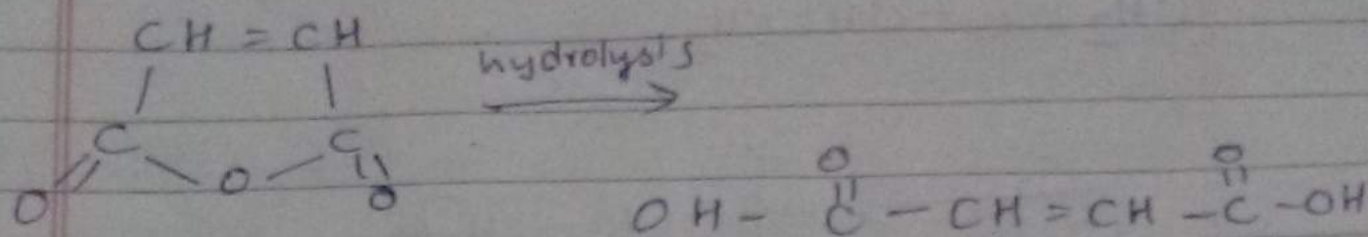
Total M.W. =  $254 \times 10^3$  g/mole

1.6)





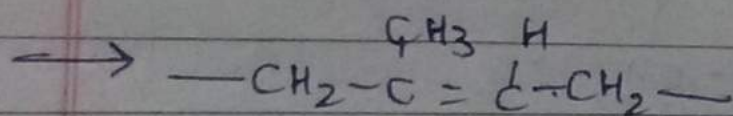
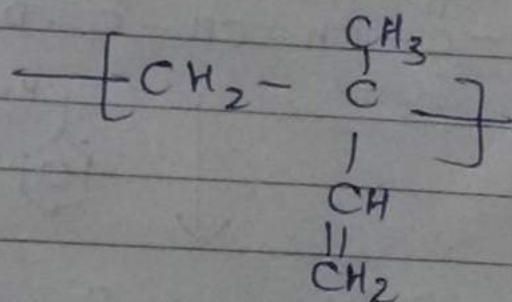
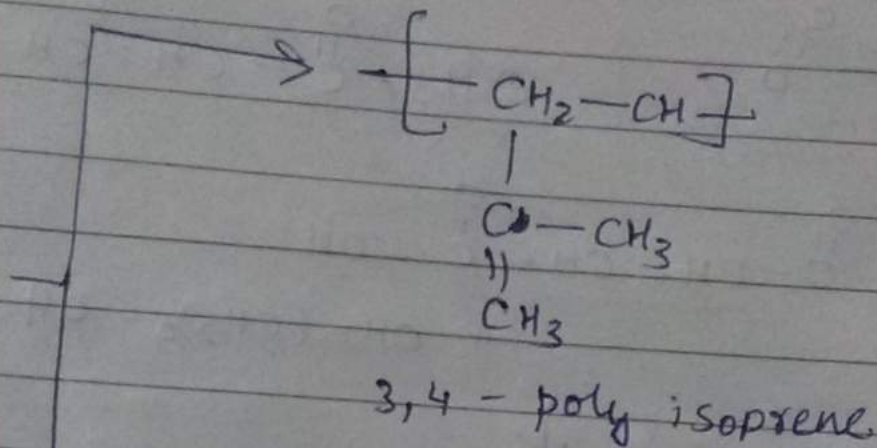
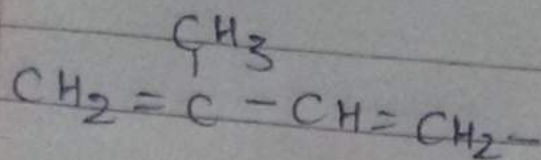
1.7)



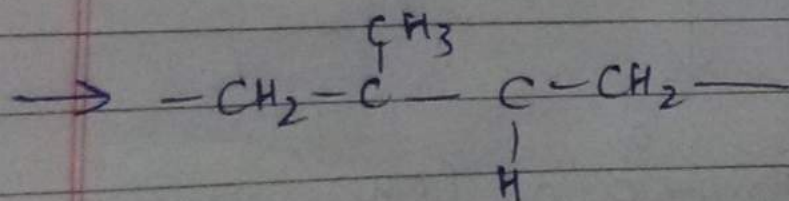
This is a poly ester without a possibility with styrene since there are no residual double bonds.

1.8)

Date



Cis 1-4 polyisoprene



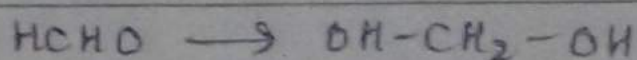
Trans 1,4 poly isoprene

Vulcanisation is permitted by the

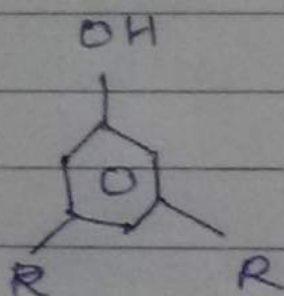


residual double bond in the main chain

1.9) For being a good adhesive, cross linked structure must be formed by the reactants



So to form cross-linked structure with HCHO, phenolic compound must be trifunctional



1.10) Name of Amine                      functionality

Di-ethylene triamine	5
Triethylene tetramine	6
Tetra-ethylene pentamine	7
Penta ethylene hexamine	8