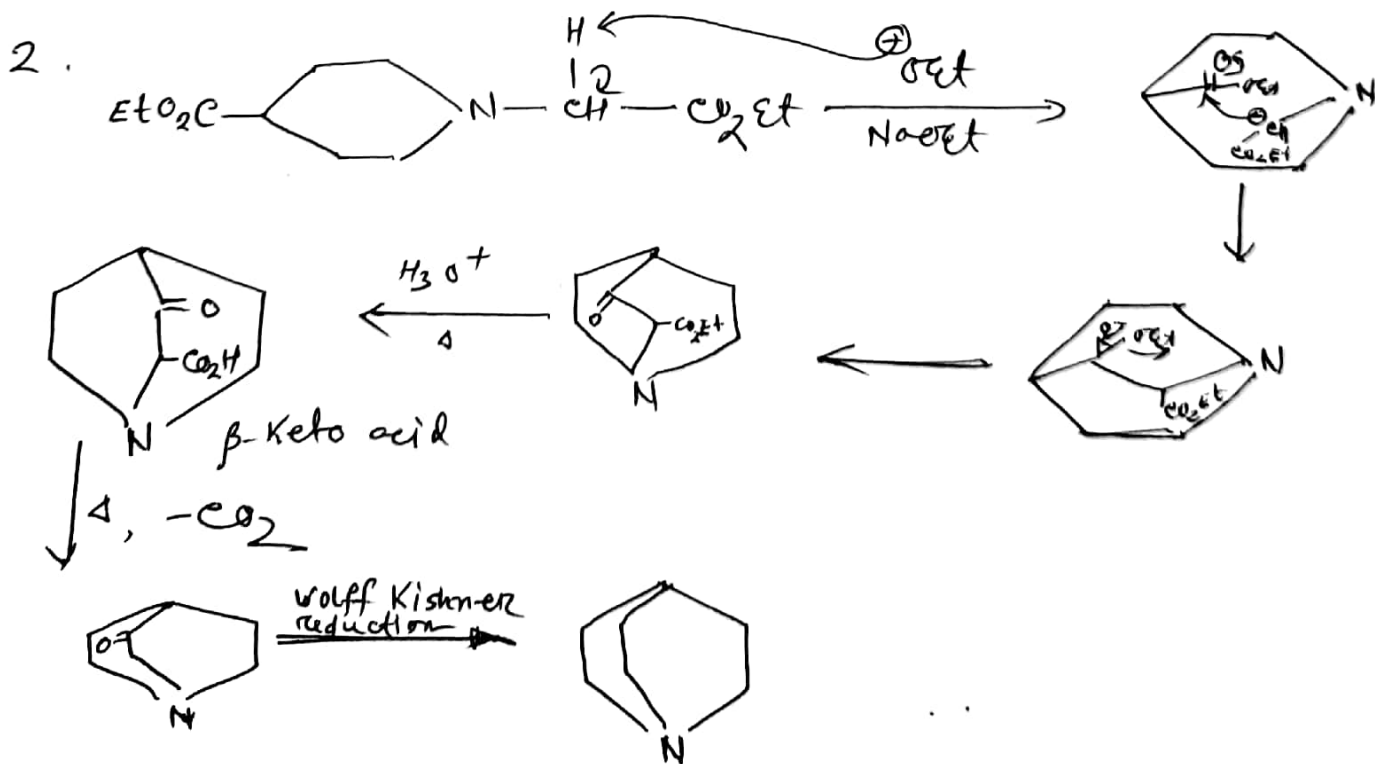
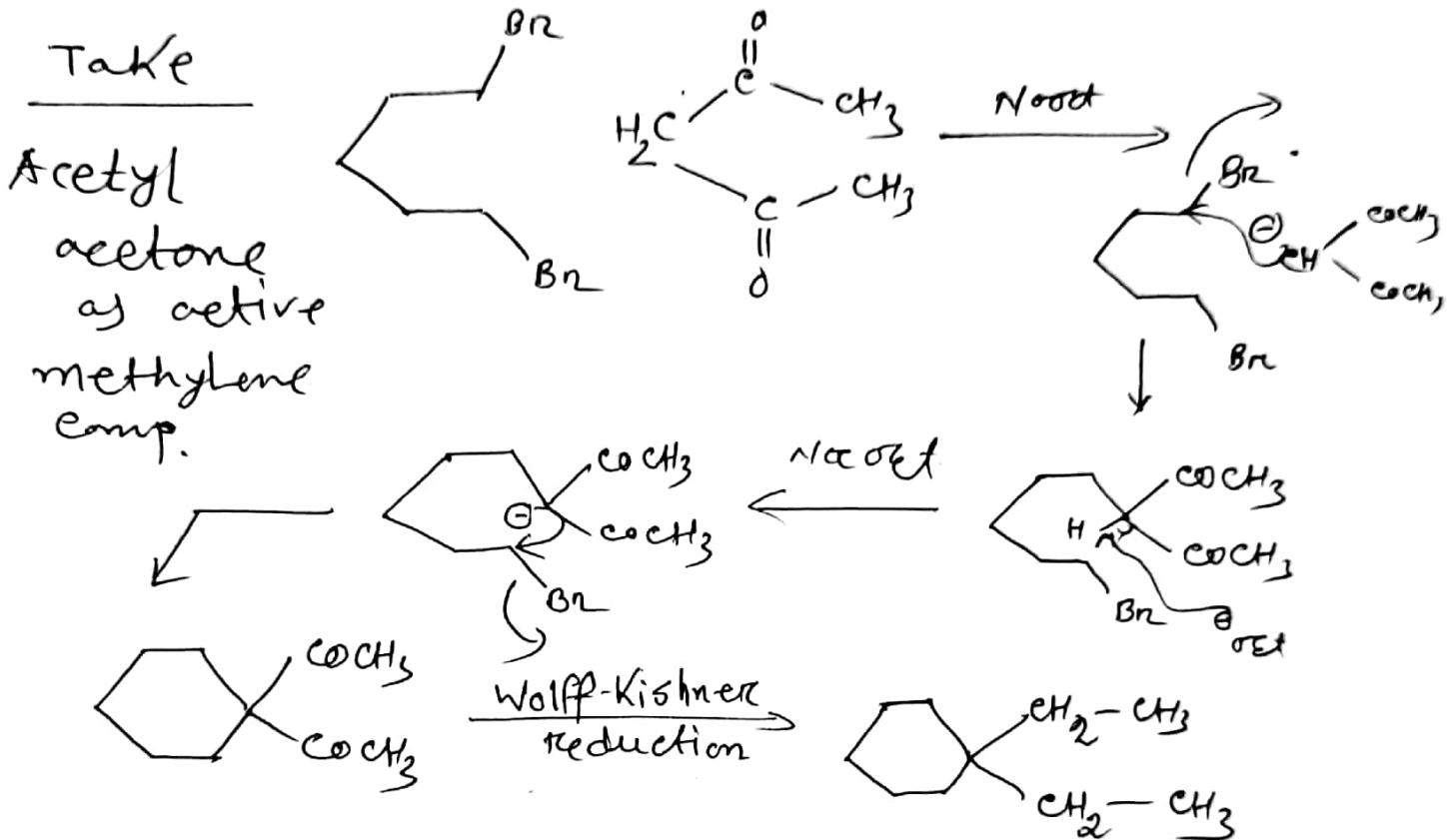


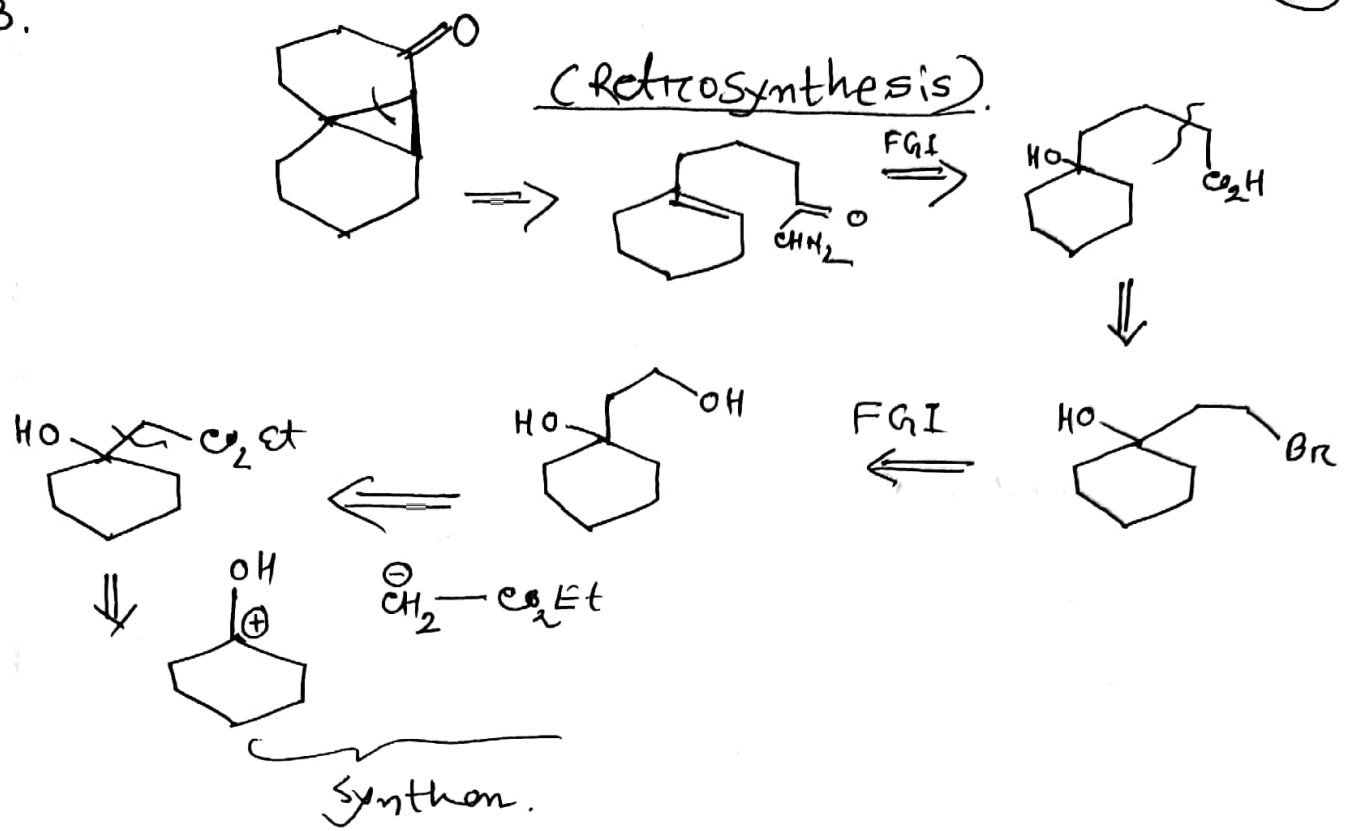
3rd Year.

Solved Problem of Mock Test and class Test question

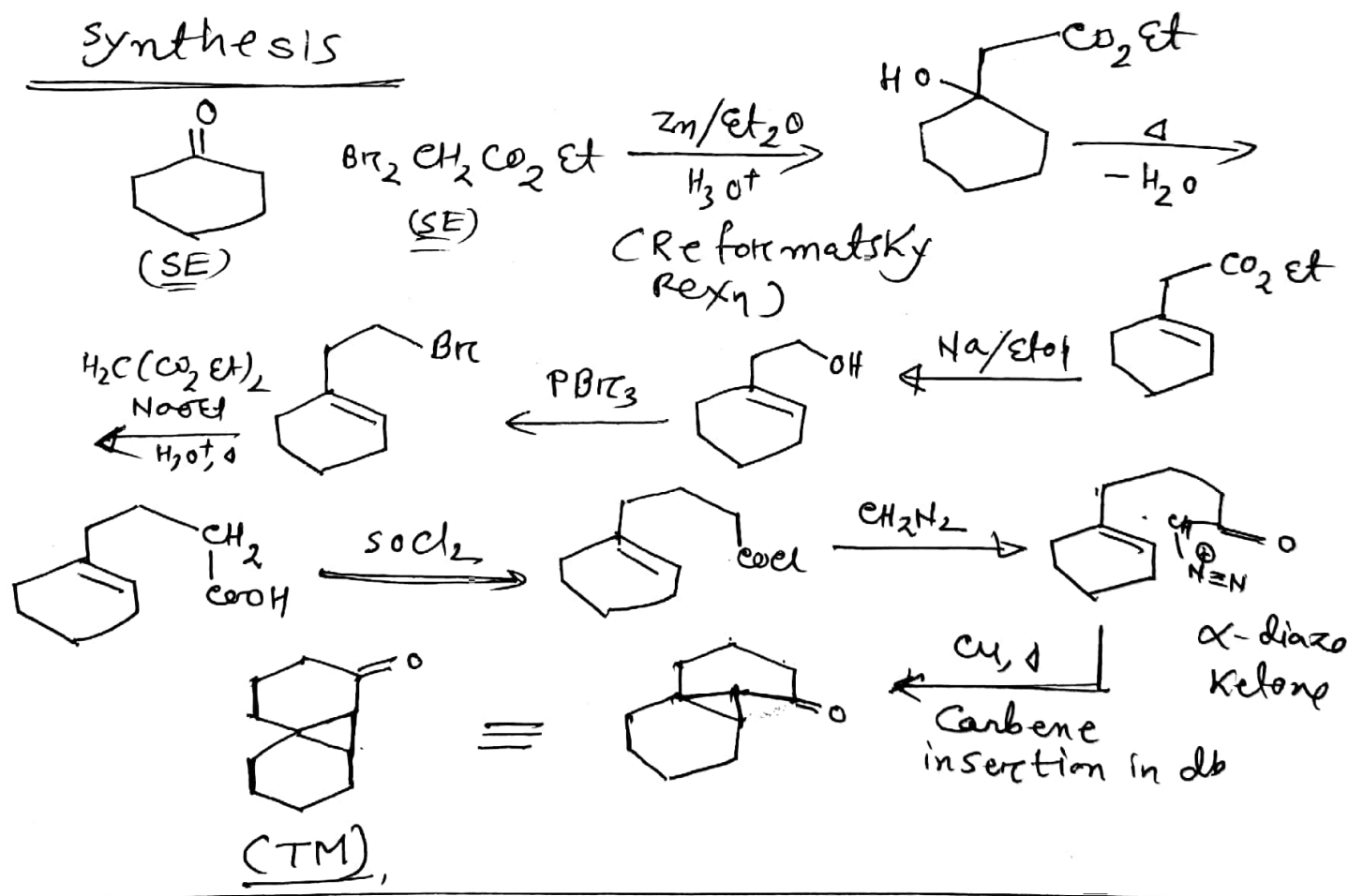
1. Synthesis of CC1(C)CCCCC1



3.



Synthesis

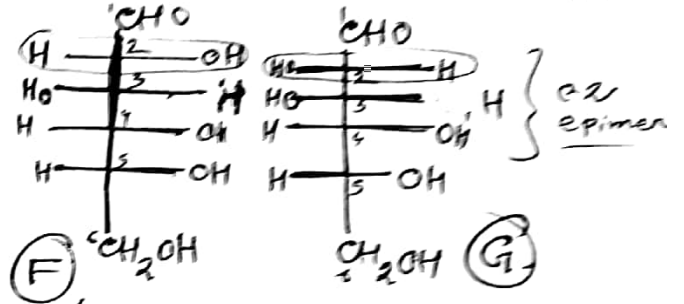


4

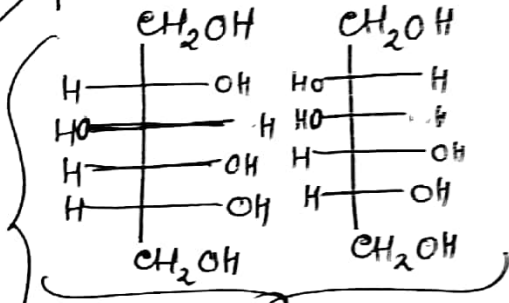
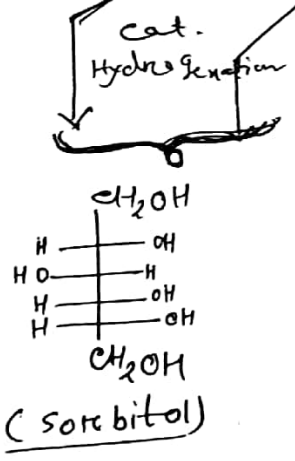
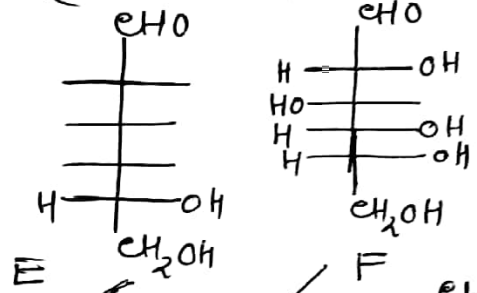
E, F, G → Three different aldohexoses
(mf - C₆H₁₂O₆)

(E, F) different osazone
(C₃, C₄, C₅ are of different configuration)

(F, G) same osazone
(C₃, C₄, C₅ - are of same configuration).



* E, F → Sorbitol
(C-2 must be same)



(C-2 must be different as they gives different aditol).

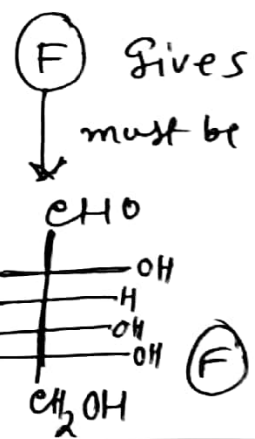
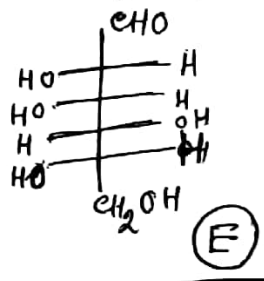
Ni/H₂
cat. hydrogenation

3 PANH₂
Same osazone
again these are D-isomers.

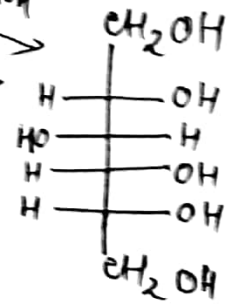
(see question: - D-aldohexose)

May be these str.

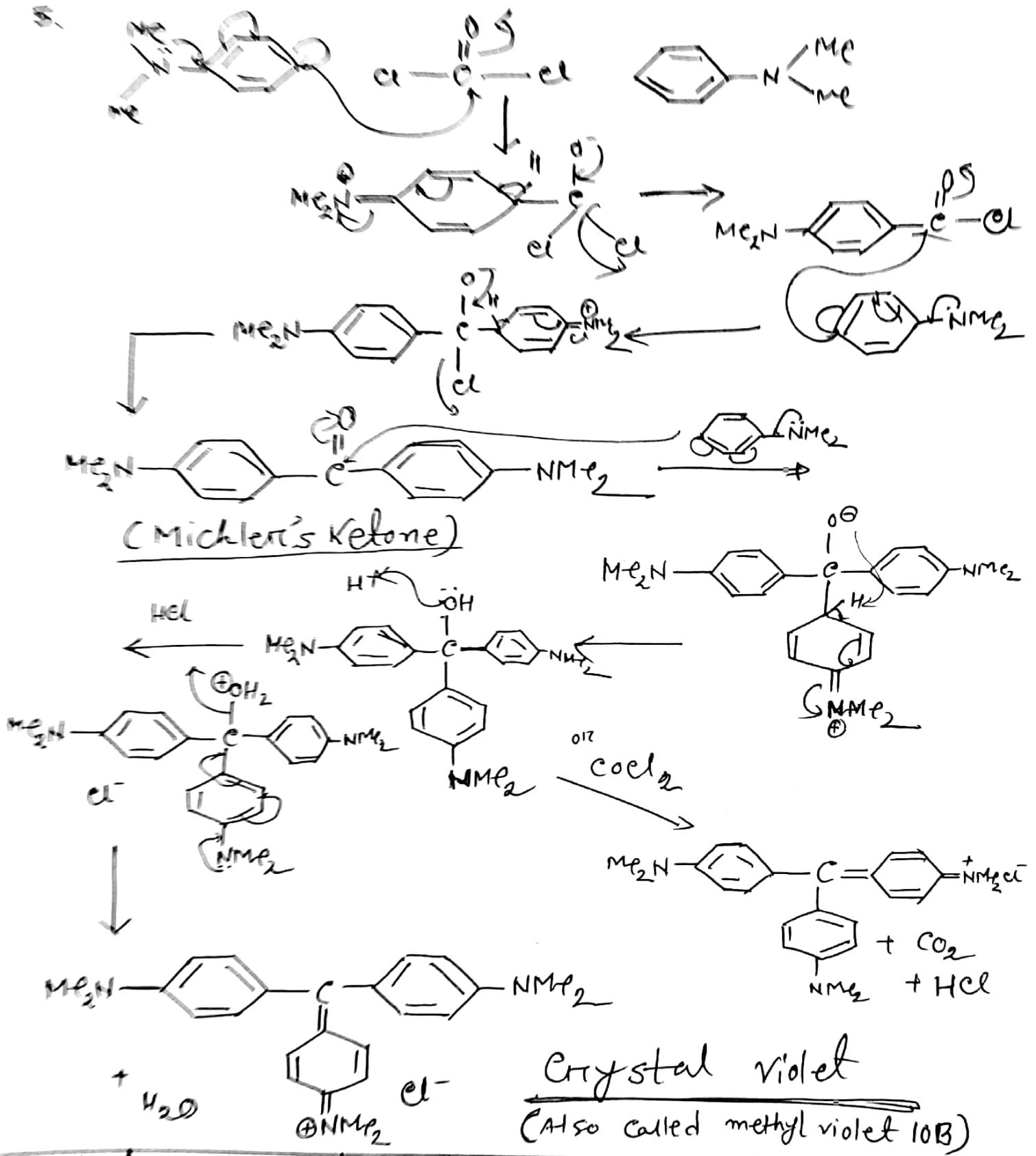
Again AS
E, F gives different osazone
so. E must be



on hydrogenation

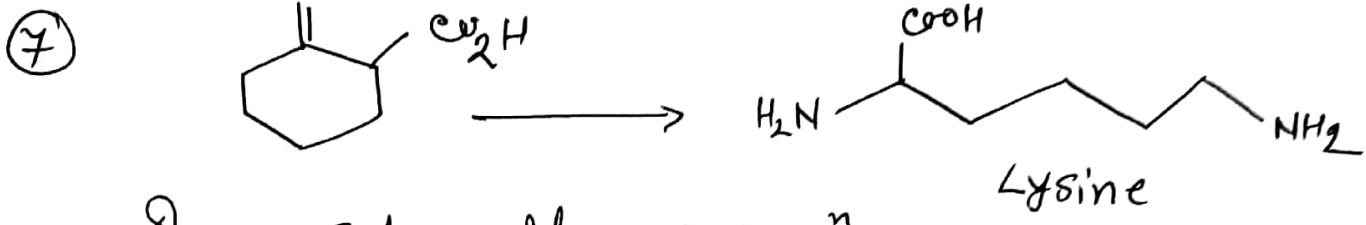


Sorbitol ← by 180°
Reduce (E) and rotate



Structure in weakly acidic solution.	Structure in strongly acidic solution	Structure in very strongly acidic soln.
(Electron transition will be more or 2) (Green)	Electronic transition will be less due to one NMe2 group (Purple)	(Electron transition will be least) (Yellow)

④ Carbohydrate and Periodic acid both are water soluble. But LTA is not water soluble. That's why - - - -



Do Schmidt reaction.

