

Carboxylic Acid

(1)

HOME ASSIGNMENT - 1

(1) (A)

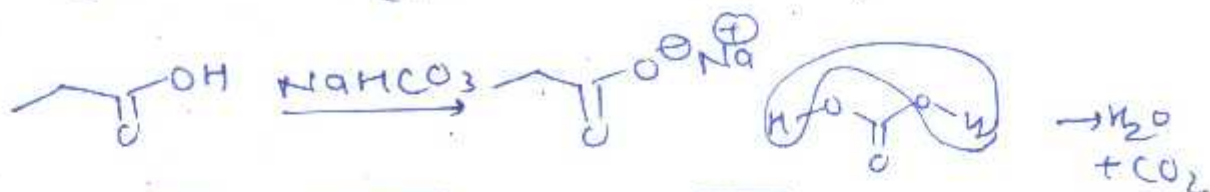
β -Keto acid



(2) (B)



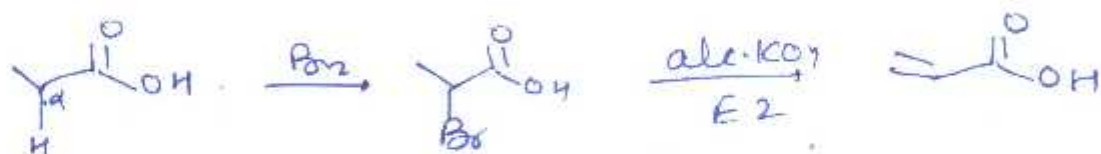
(3) (D)



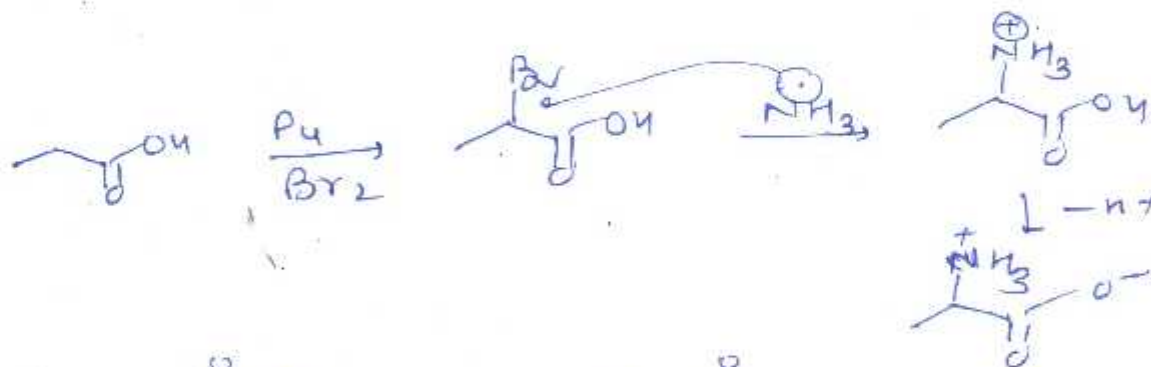
(4) (D)



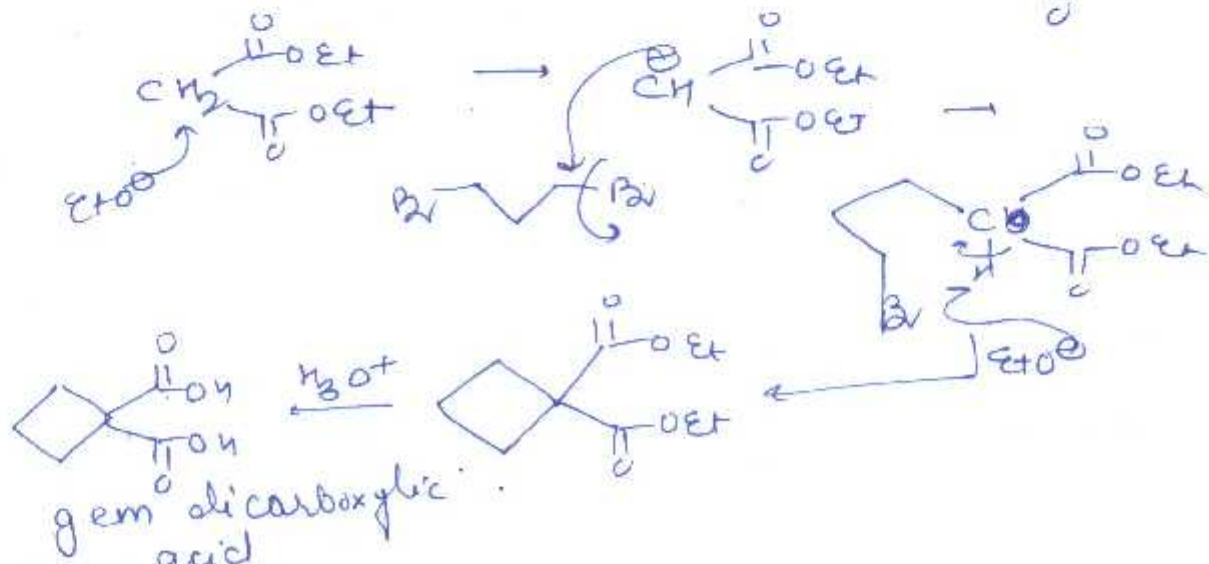
(5) (A)



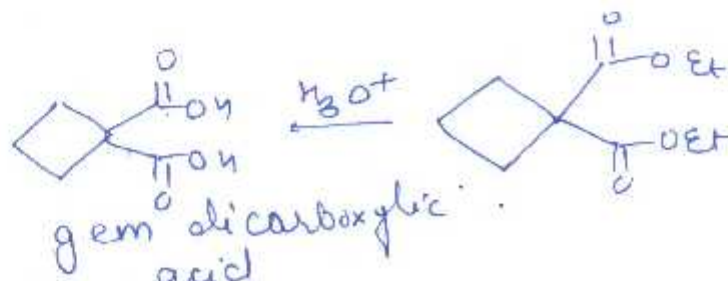
(6) (A)



(7) (C)



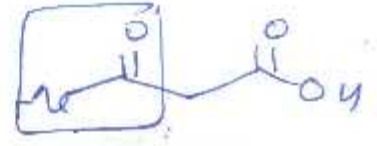
(8) (D)



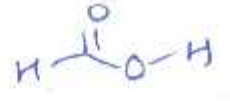
Δ



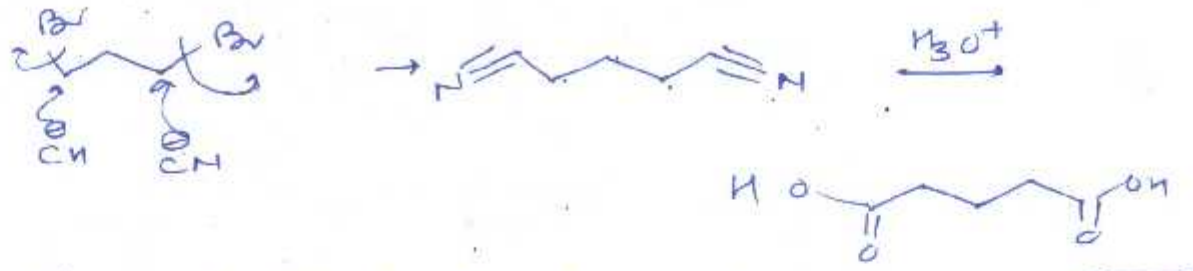
9 (C)



10 (B)



11 (A)



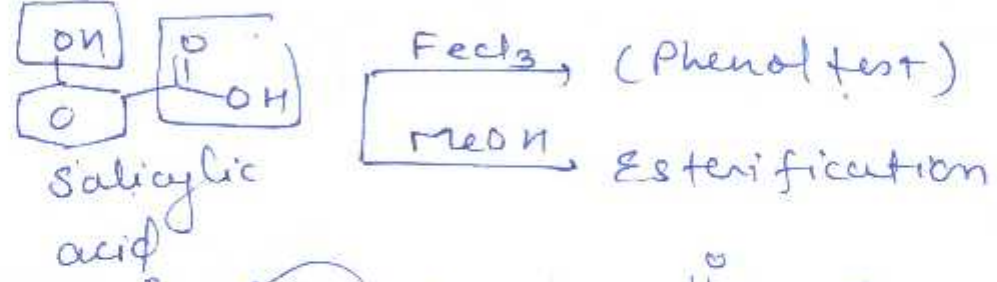
12 (D)

b'coz presence of formyl like gp. O=C(O)O

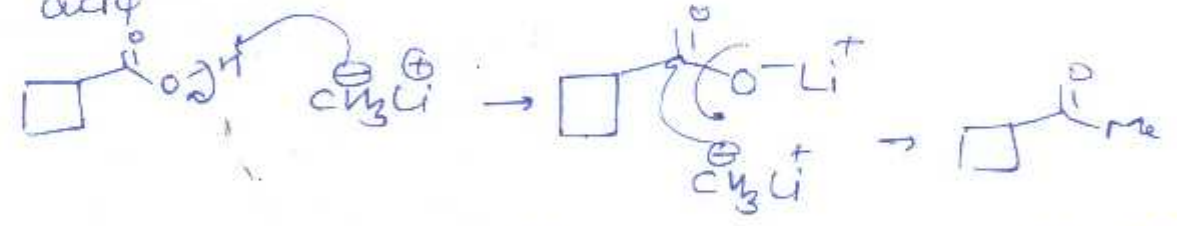
13 (D)



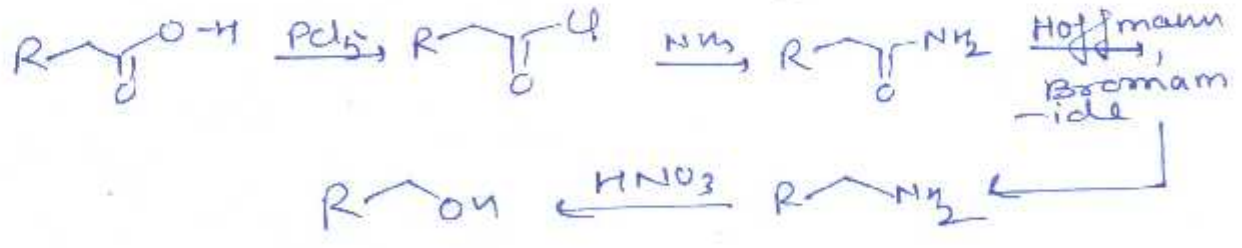
14 (C)



15 (D)

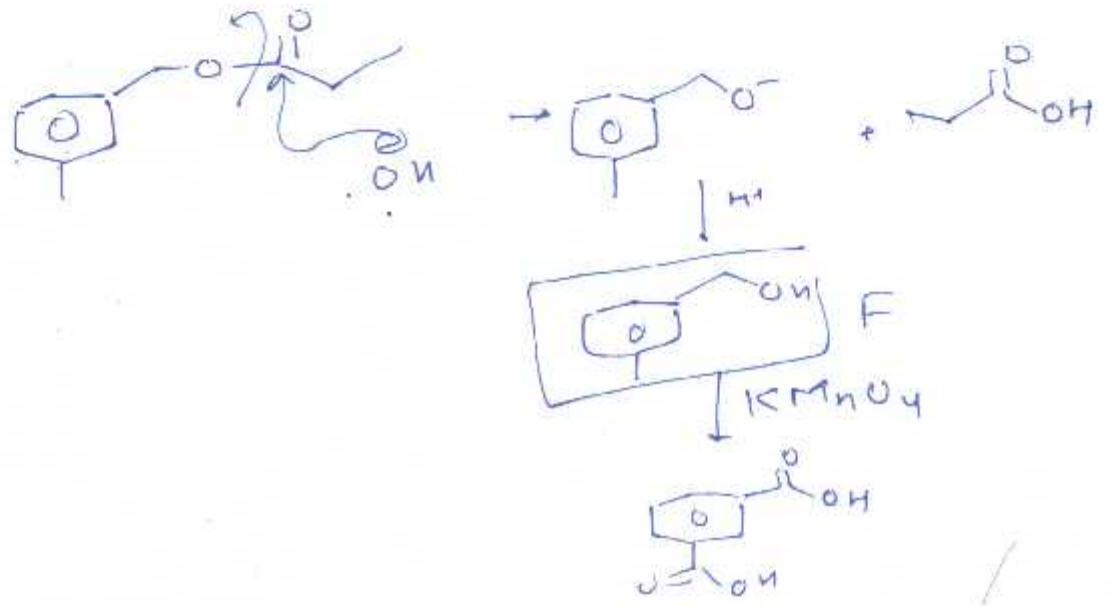


16 (B)

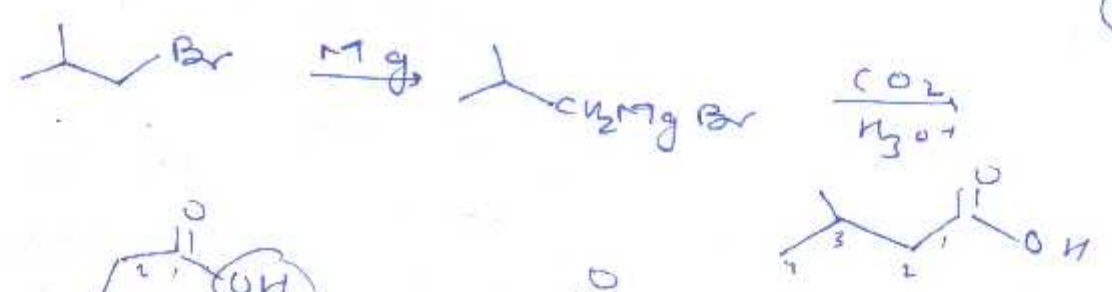


17 (D)

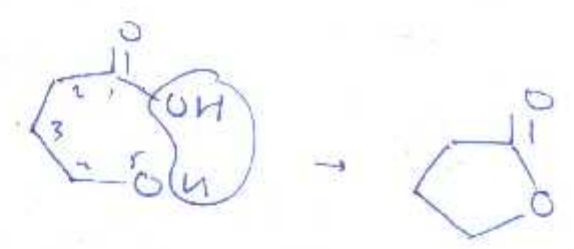
18 (C)



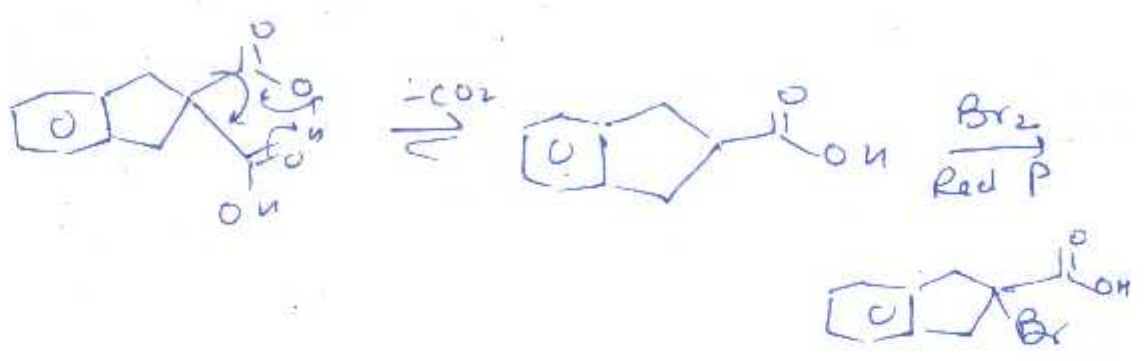
19 (D)



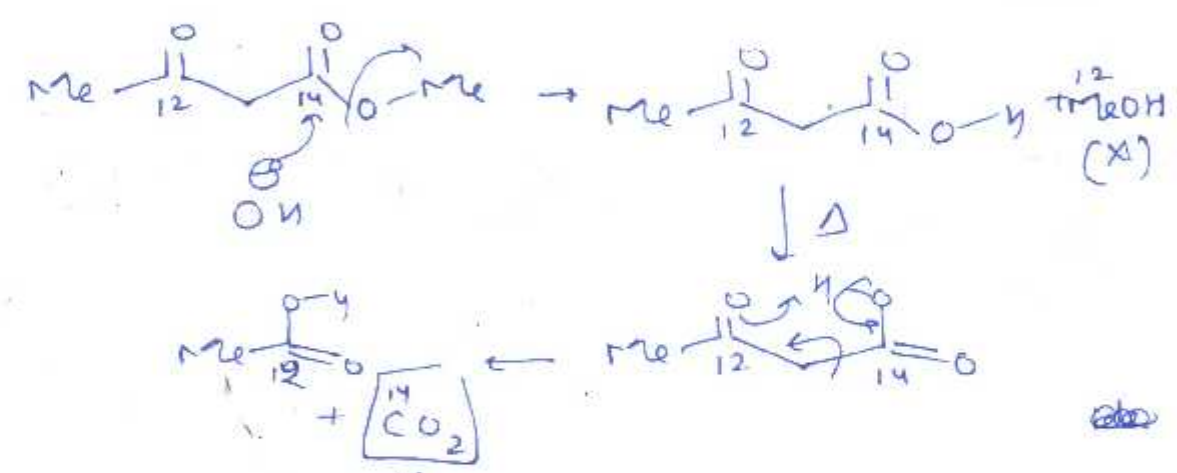
20 (A)



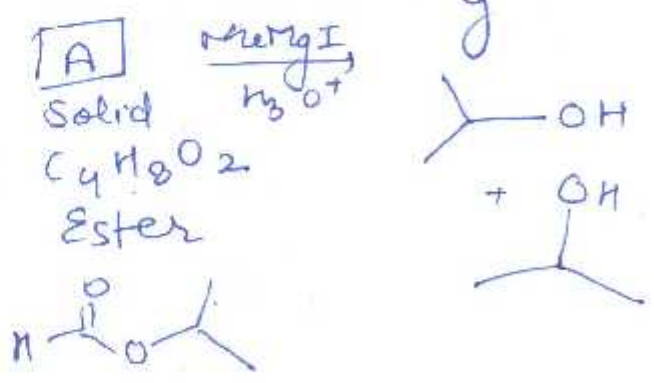
21 (C)



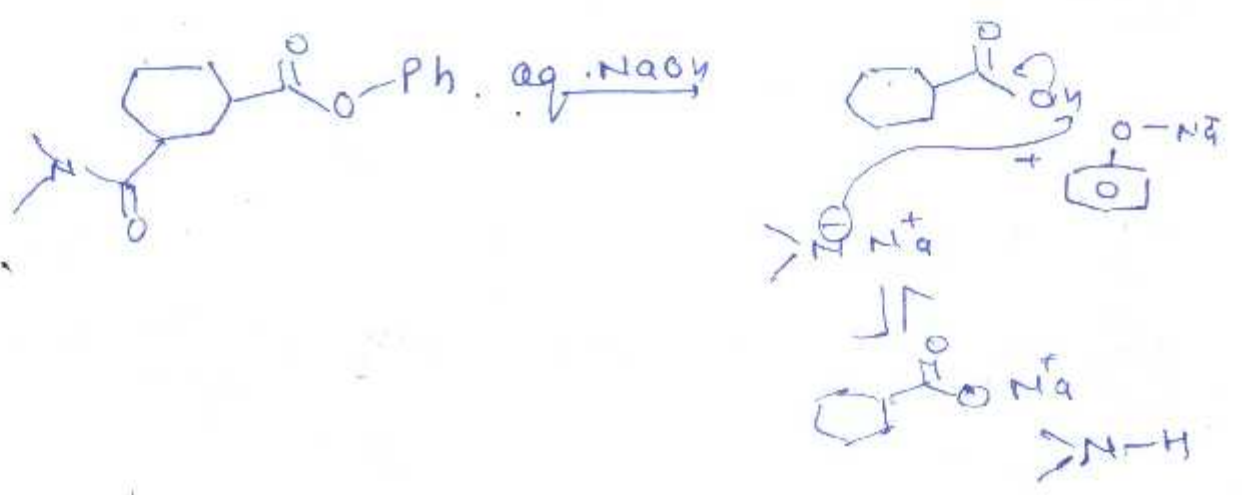
23 (B)



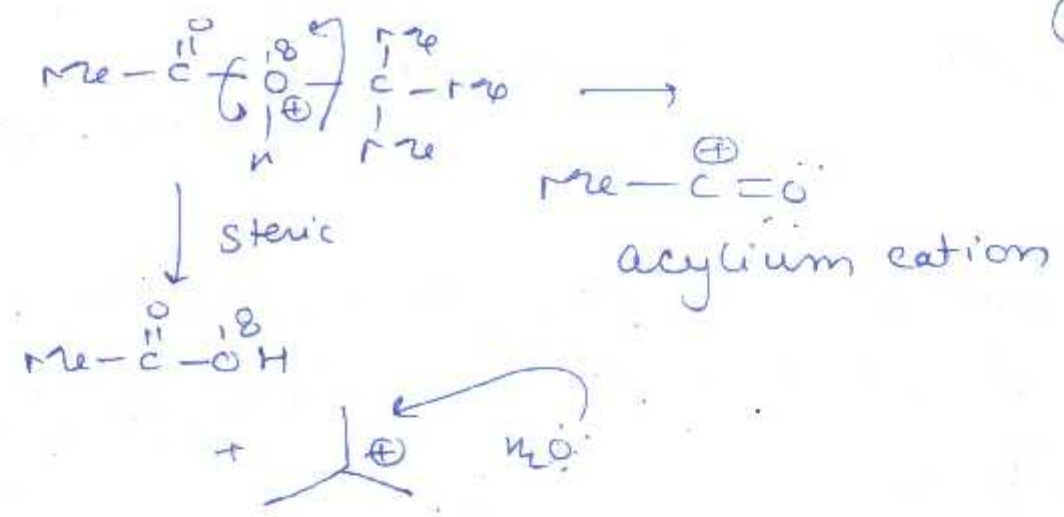
24 (D)



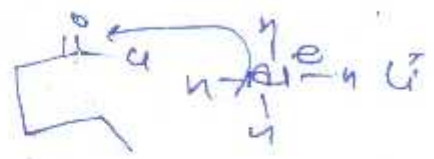
25 (D)



26 (A)

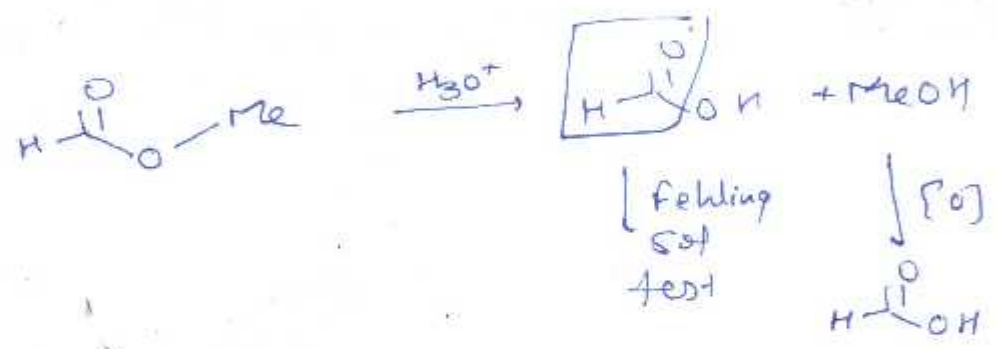


27 A



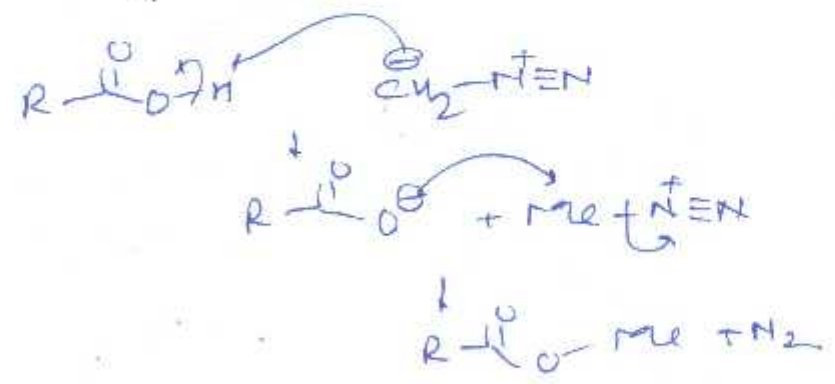
28 (C)

29 D



30 (A)

31 (C)

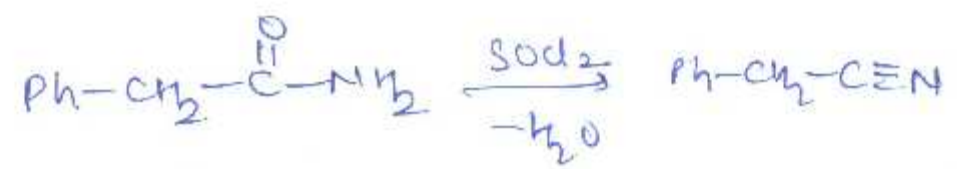


32 (B)

33 (B)

34 (B)

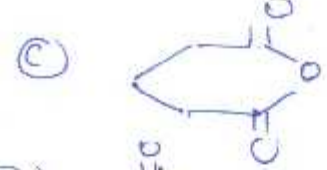
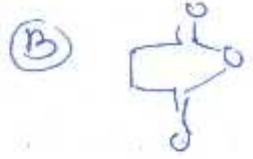
35 (B)



36 (B)

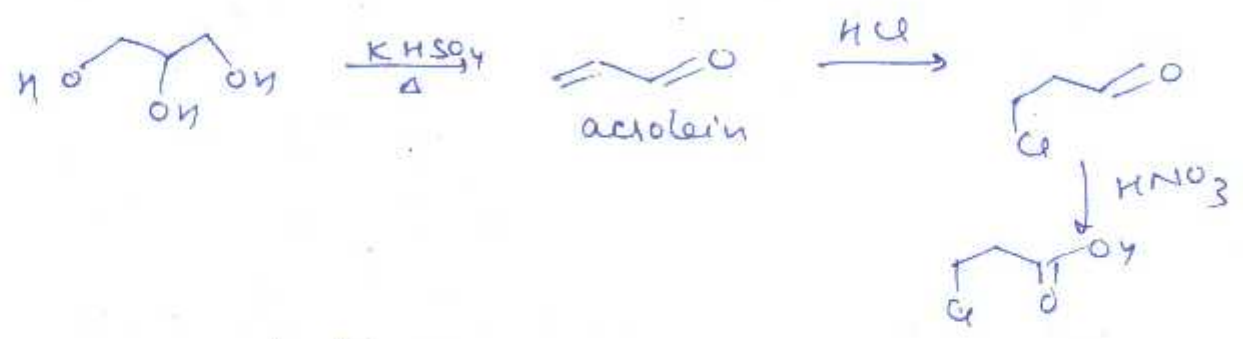
37 (B)

38 (D)



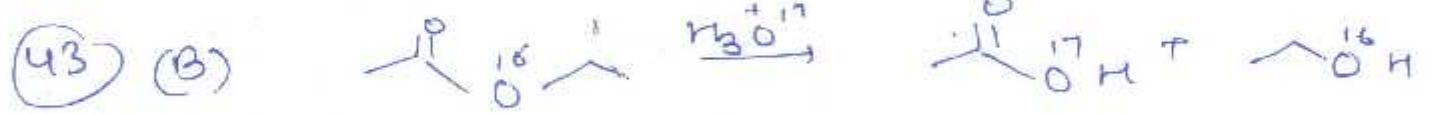
39 (C) 3° amide

40 (D)

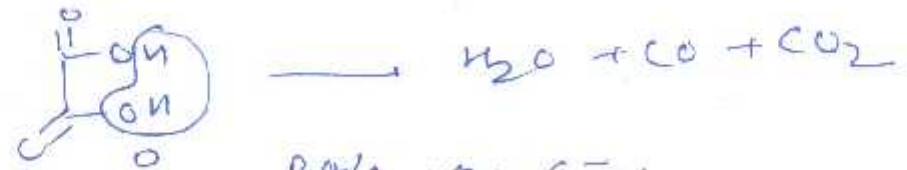


41 (D) No α -hydrogen

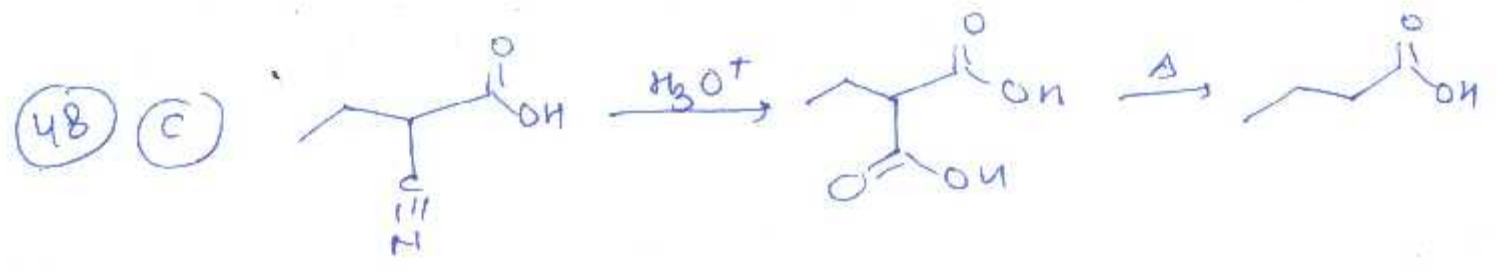
42 (C) order is $D > A > B > C$



44 (D) Hoffmann bromamide rxn.



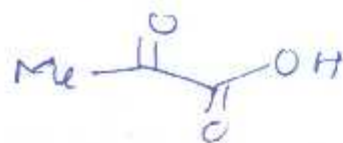
45 (A) CC(=O)NH_2 $\xrightarrow{P_2O_5/\Delta}$ CC#N



49) (C)

(A) P/Cl₂

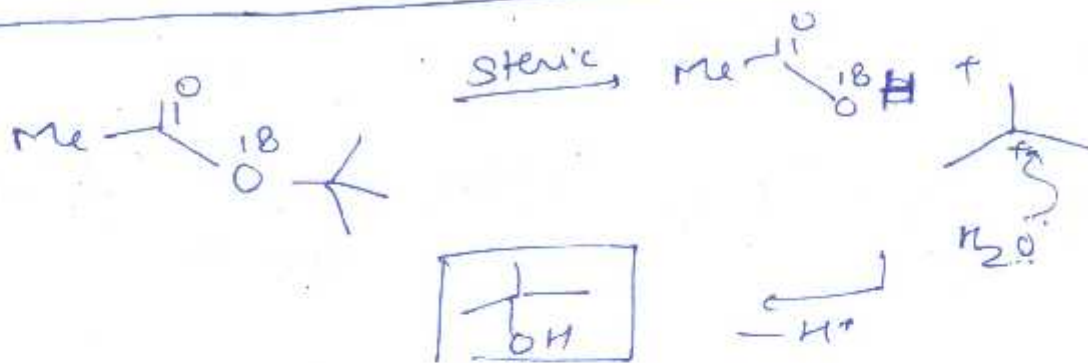
(B)



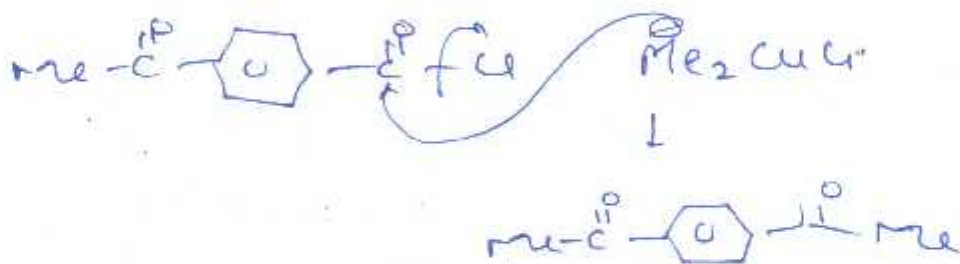
50

HOME ASSIGNMENT - II

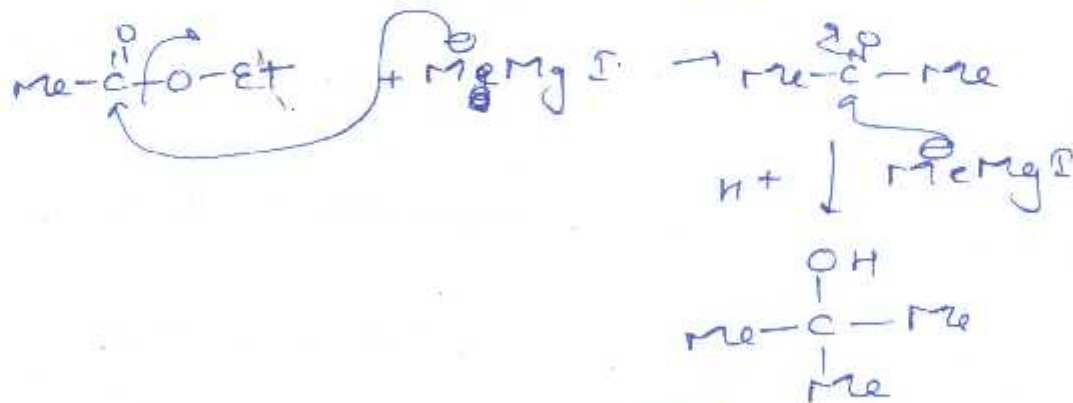
1) (A)



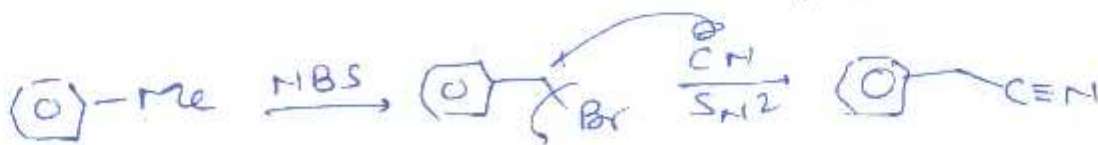
2) (B)



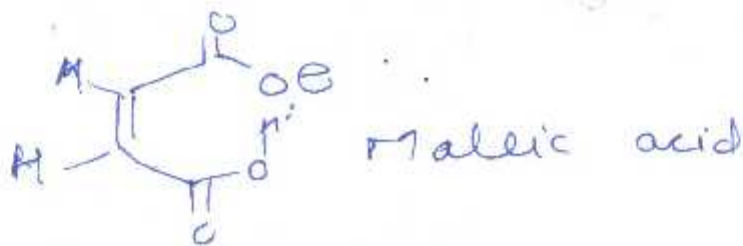
3) (C)



4) (C)

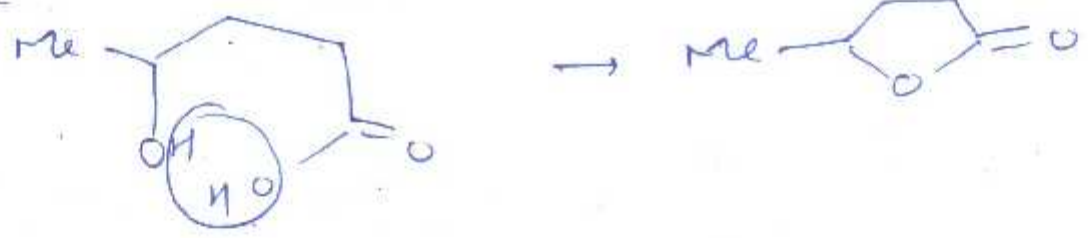


5) (B)



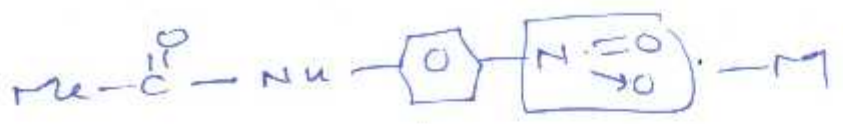
6

(B)



7

(C)



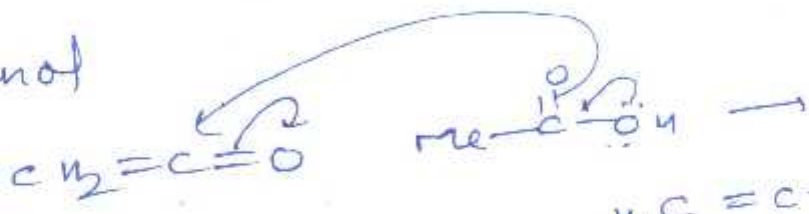
8

(C)

9

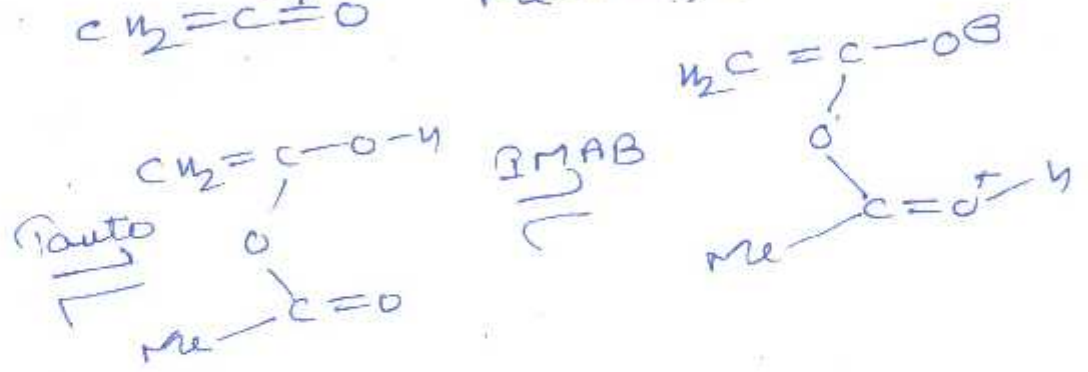
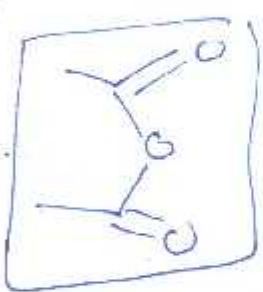
(A)

phenol



10

(B)



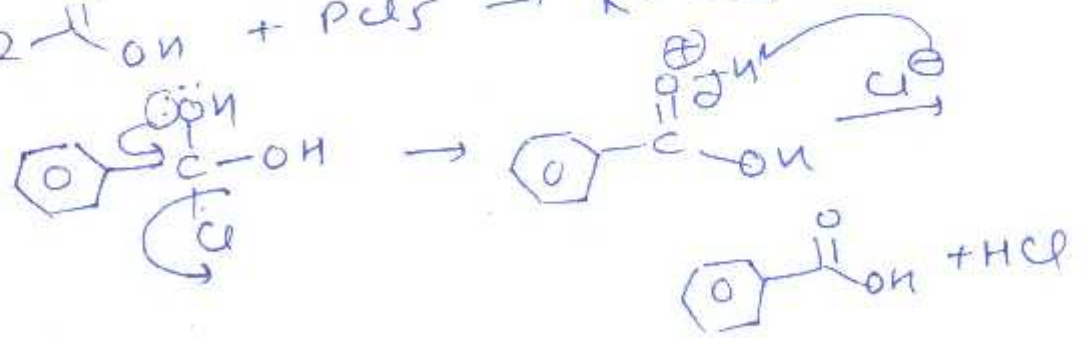
11

(A)



12

(A)



13

(B)

14

(B)

15

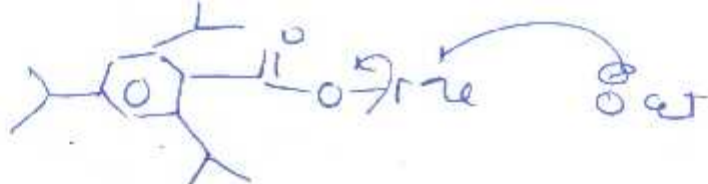
(C)

Guanidine

16

(D)

(17) (c)



Sterically
crowded
ester

(18) (c)

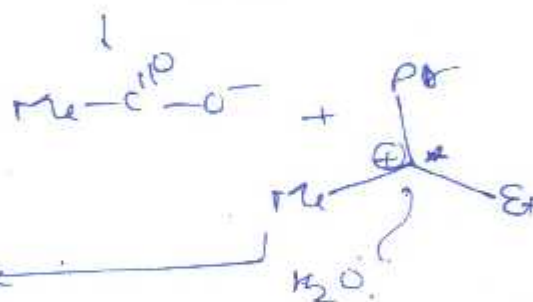
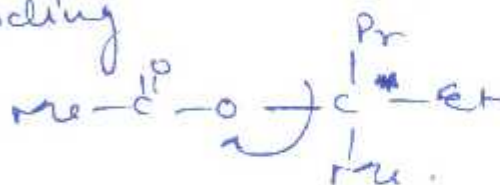


↓ Baeyer Villiger oxidation

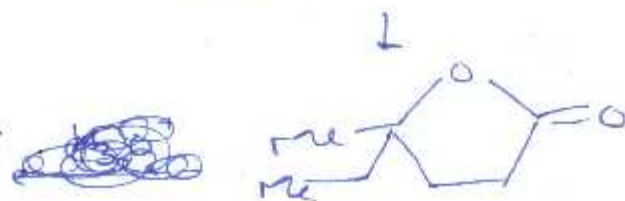
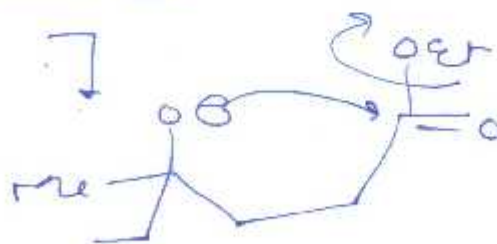
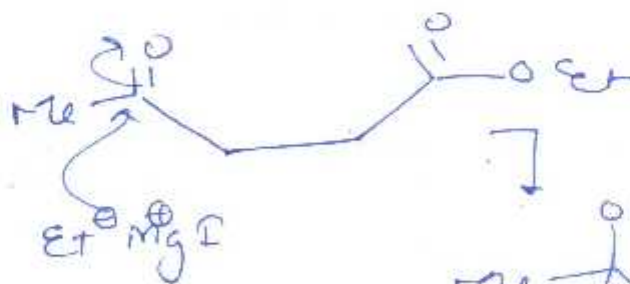


(19) (c)

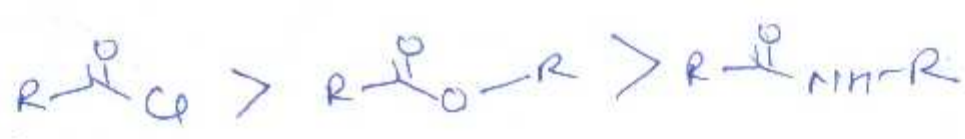
diastereic crowding



(20) (c)



21 (B)



22 (D)

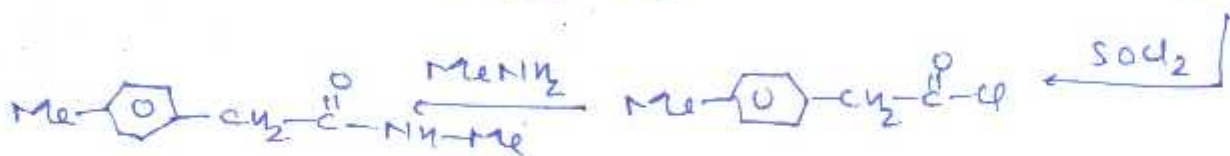
23 (C)



↓ HBr



↓ CO₂



24 (B)

25 (A)

