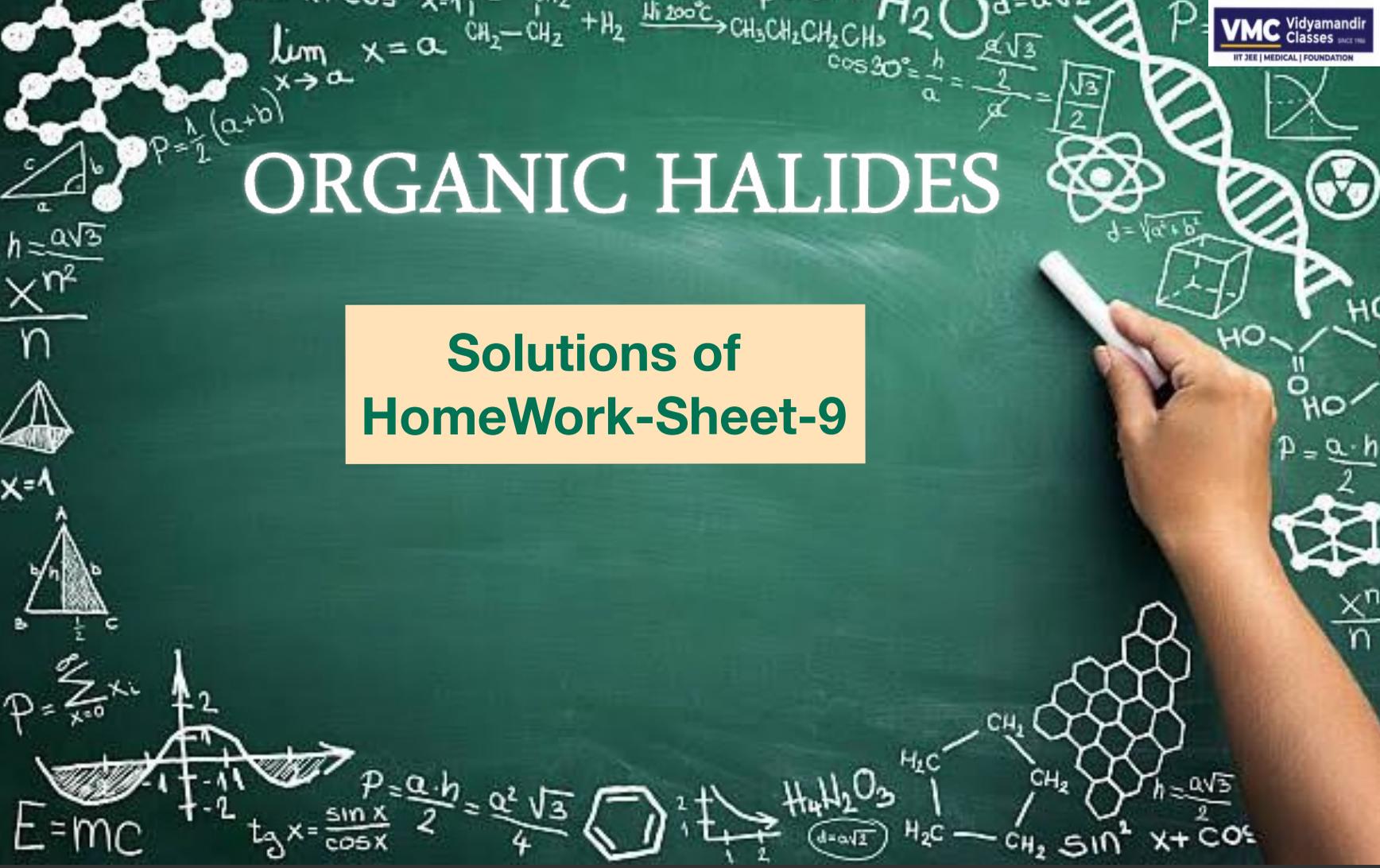
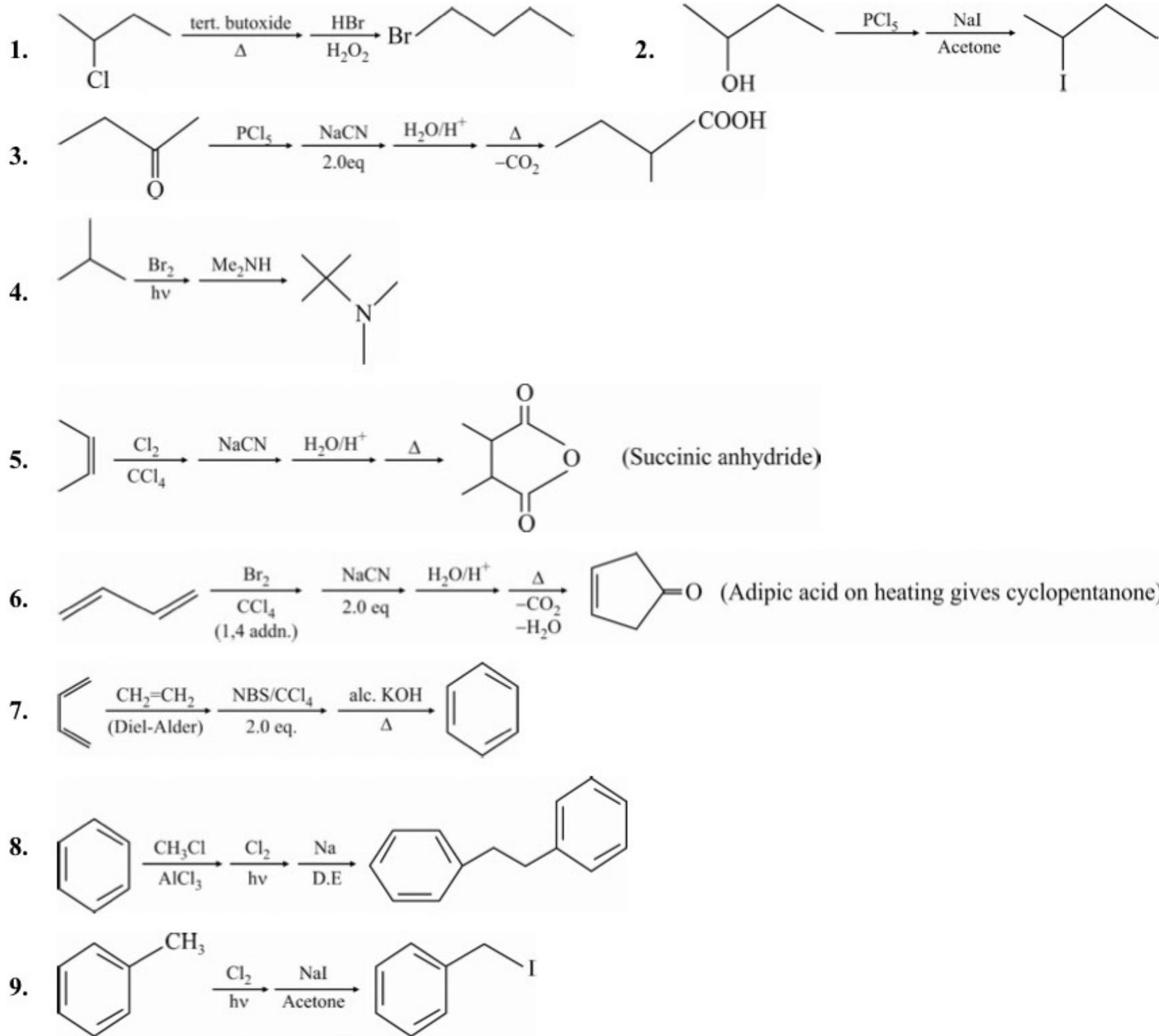
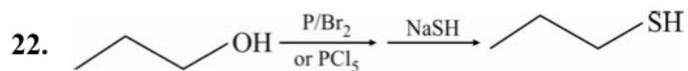
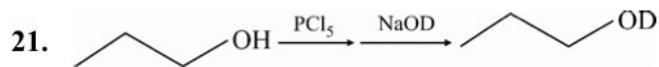
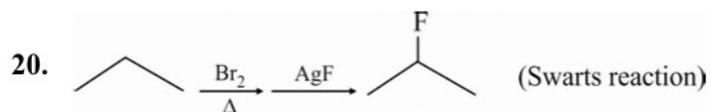
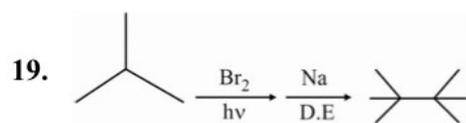
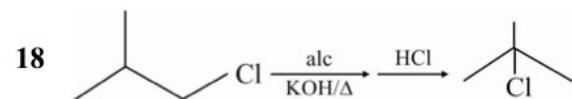
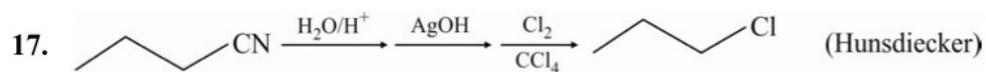
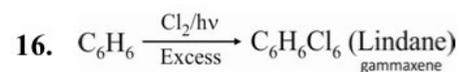
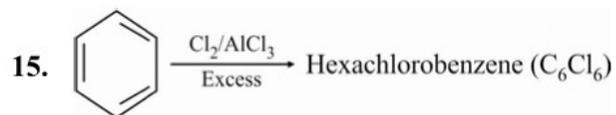
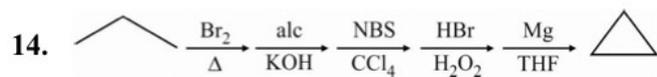
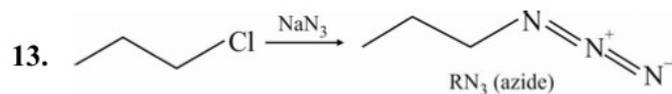
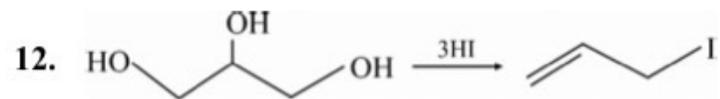
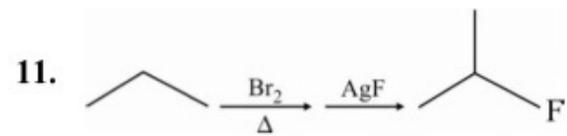
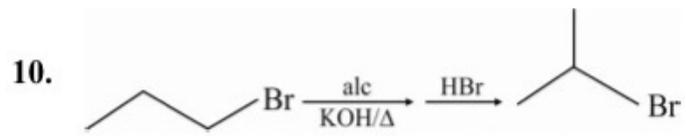


ORGANIC HALIDES

Solutions of HomeWork-Sheet-9

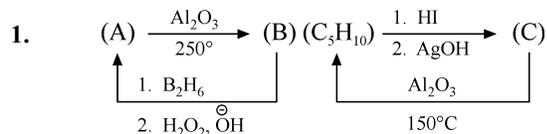






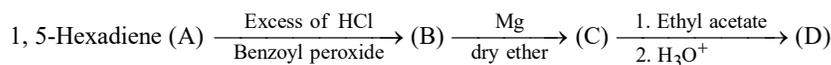
Time : 90 Min

Chemistry Class Test (Grignard Reagent)

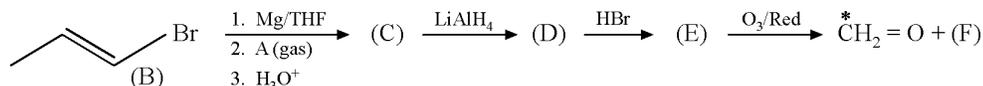


(A) and (C) are isomers ; (B) can be obtained by dehydrating the products of the reaction of EtMgBr and acetone. Give the structures of (A), (B), and (C).

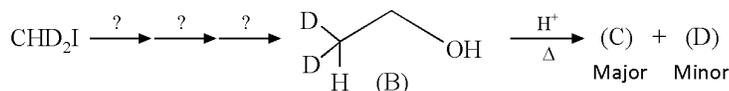
2. Identify the structures of (A) to (D).



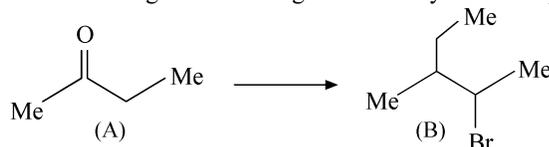
3. Identify (A) to (F) and mark the C* carbon in the entire scheme $CaCO_3 + H_2SO_4 \longrightarrow (A) \text{ (gas) } [C^* \text{ denotes } C^{14}]$.



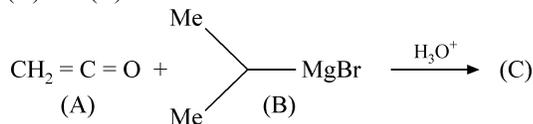
4. Convert :



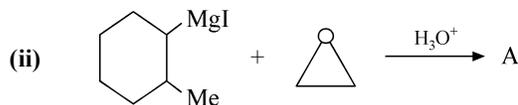
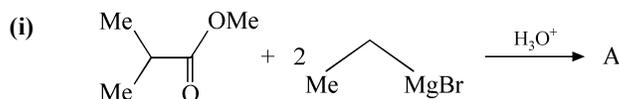
5. Complete the following reaction using G.R. and any other compound.

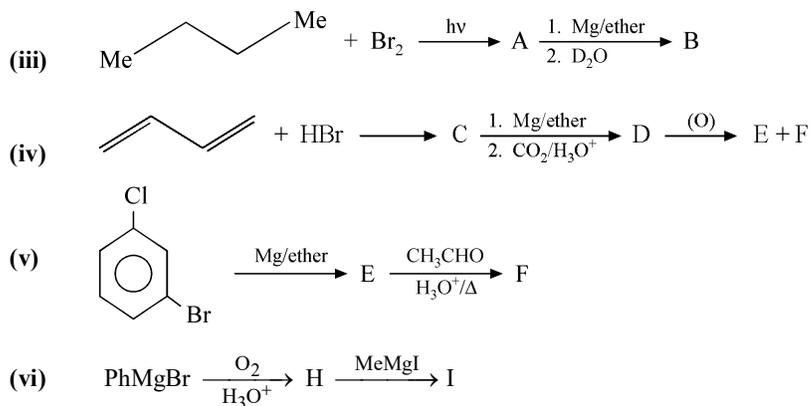


6. Identify (A) and (B).

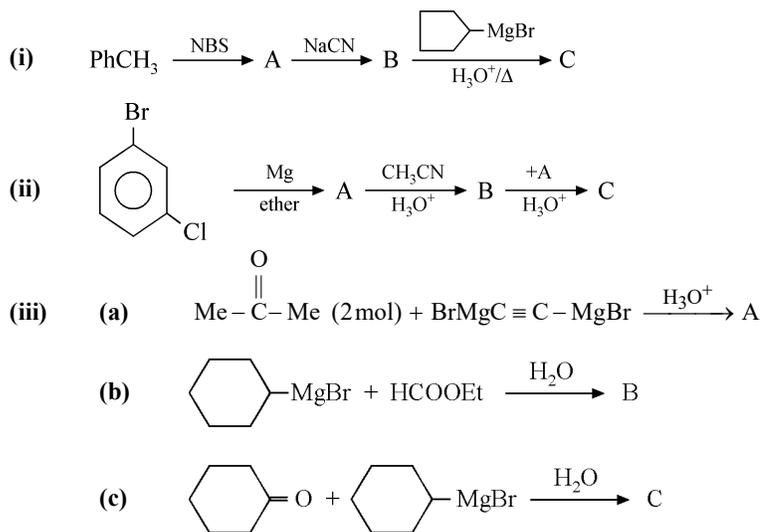


7. Identify the compounds A, B, C and D in the following reactions sequences.

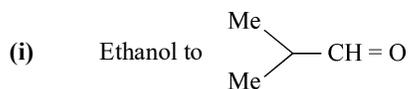




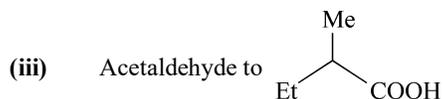
8. Identify the compounds A, B, C and D in the following reactions sequences.



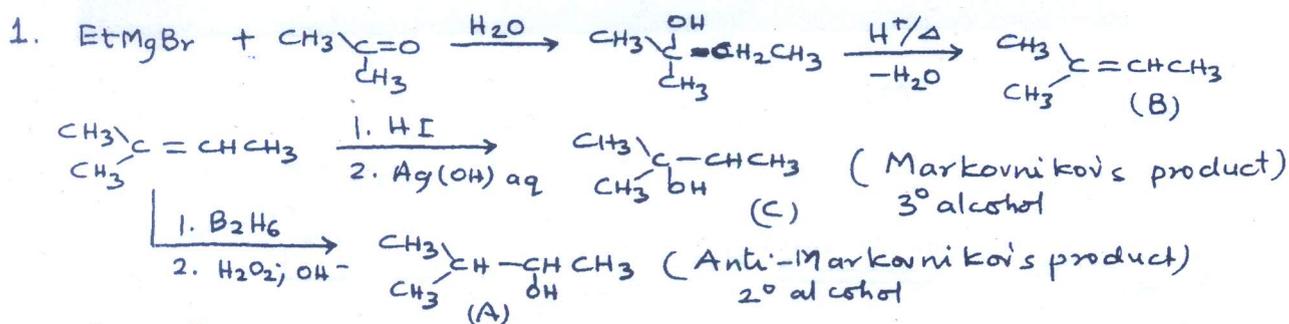
9. Convert the following : (In a maximum of 4-6 steps)



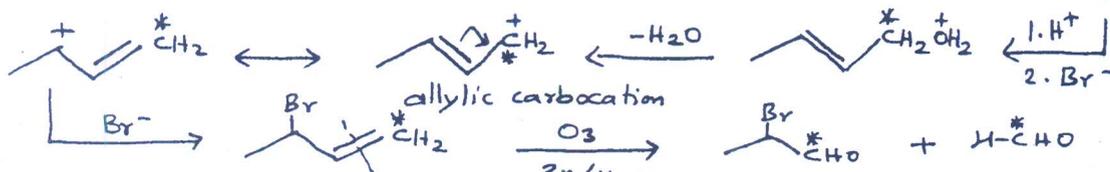
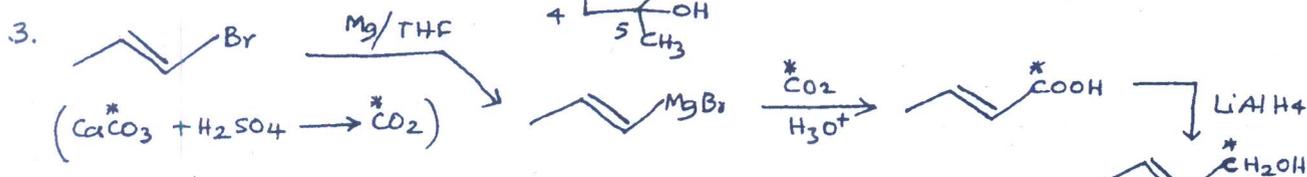
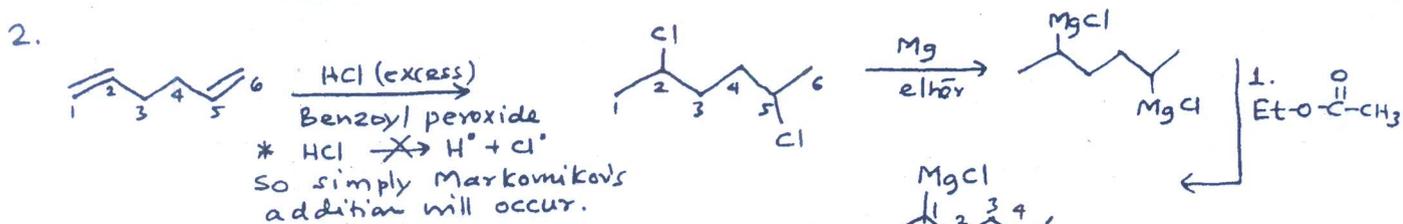
(ii) Acetic acid to Butan-2-one



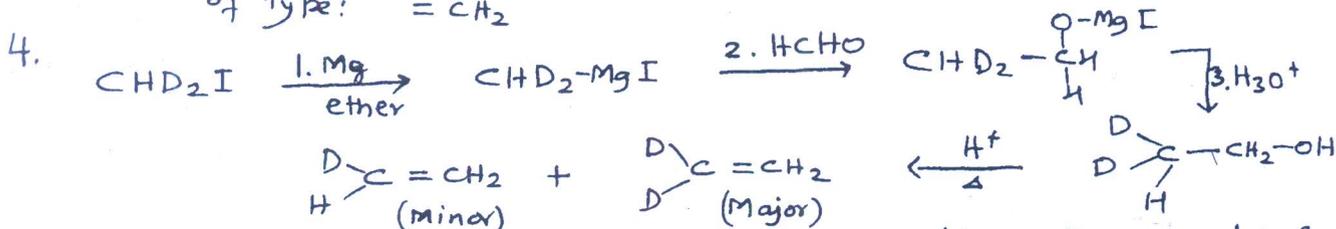
Solutions to Class Test/Grignard Reagents (Chemistry)



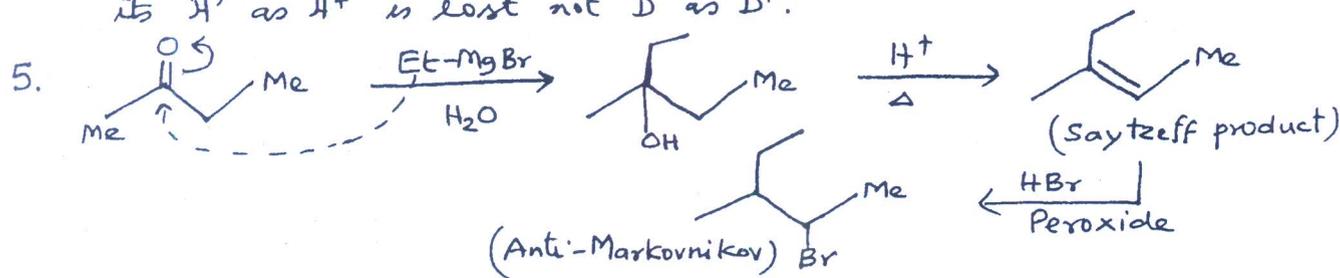
Note: 3° ROH dehydrate easily by Al_2O_3 at 150°C ; whereas 2° ROH do at 250°C .

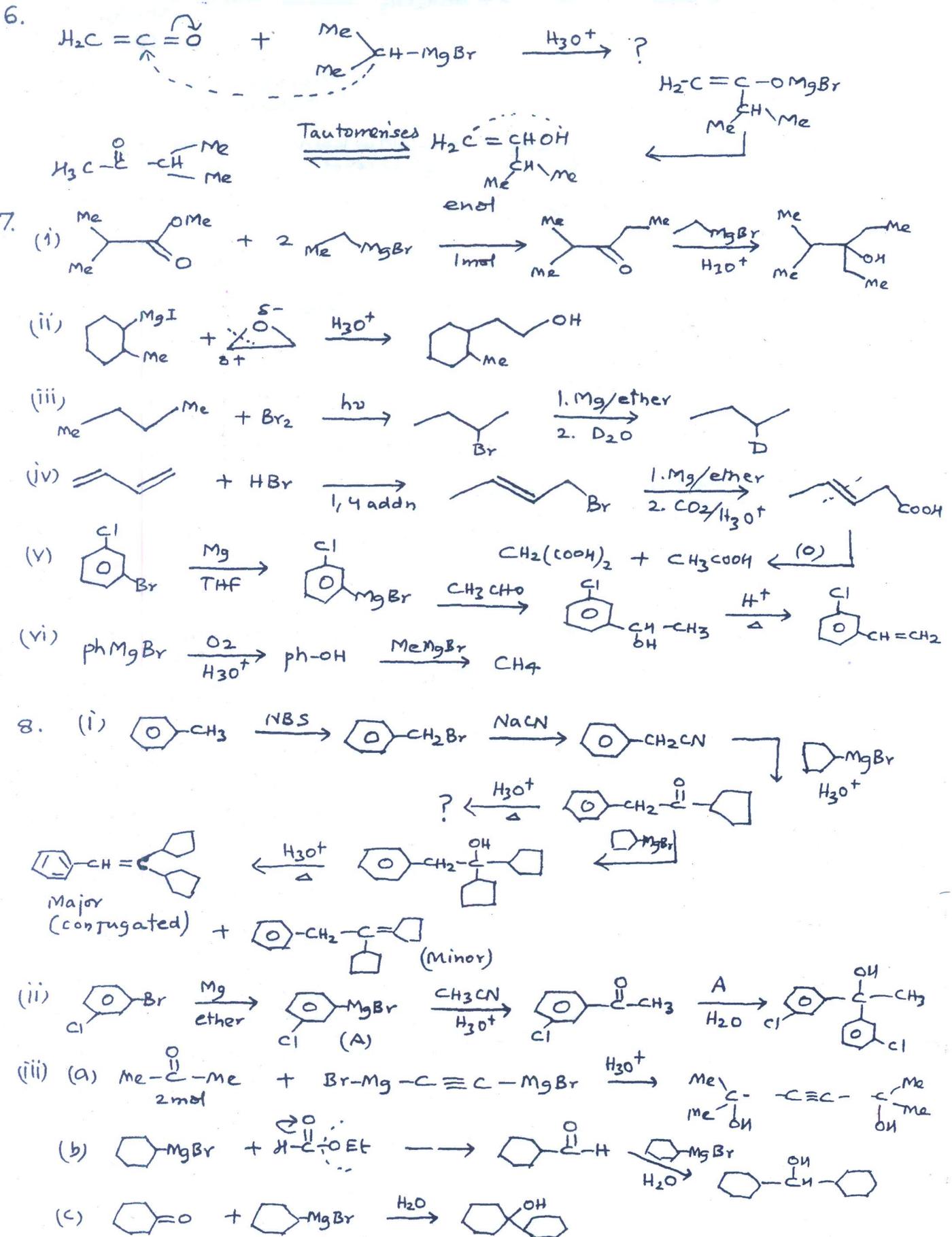


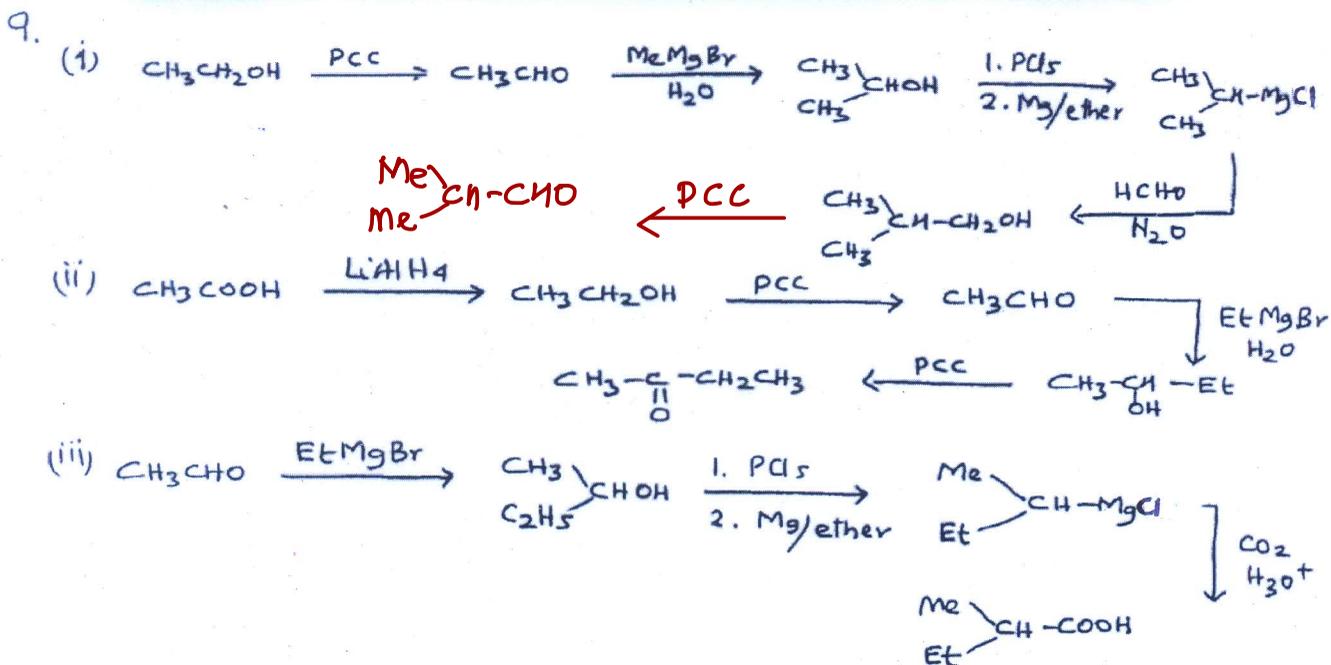
Hint: $\text{H}-\text{CHO}$ has $\text{C}^{14} \Rightarrow$ before ozonolysis $>\text{C}=\text{C}<$ should be terminal of type: $=\text{C}^*\text{H}_2$



* The bond energy of $\text{H}-\text{C}$ -bond is lower than $\text{D}-\text{C}$ -bond; so its H^+ as H^+ is lost not D as D^+ .







THANK

39 88.906 3338 1.1 1526 Y [Kr]4d5s ² 4.47 3	8 15.999 -182.82 3.5 -222.65 O [He]2s ² 2p ⁴ 1.43 -2	92 238.029 4134 1.2 1132 U [Rn]5f ³ 6d7s ² 19.0 3,4,5,6
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