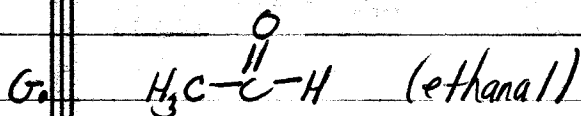
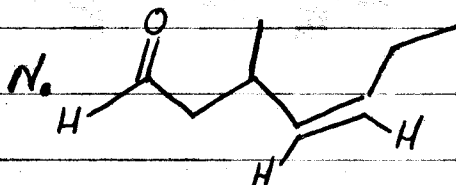
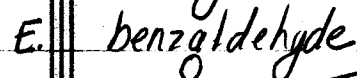
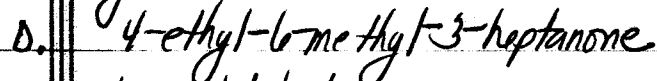
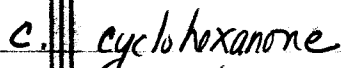
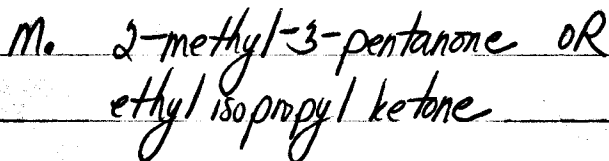
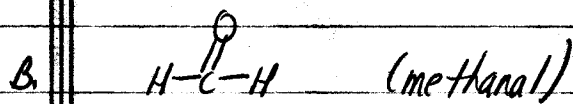
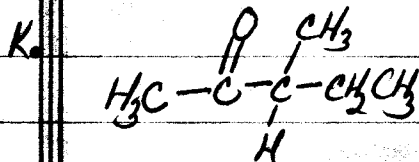
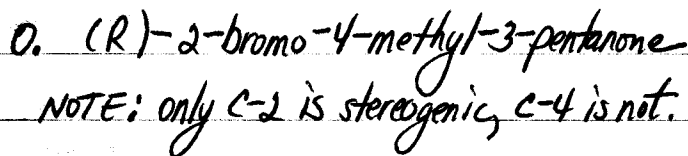
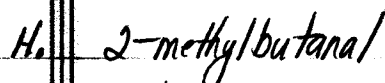


KEY Problem Set #9 (on Chapter 9)



Z or cis means highest priority groups on same side of double bond.



2. NOTE: ①  $\alpha$ -H's (H's on C adjacent to carbonyl) are involved in keto-enol tautomerism. Aldehyde H's (H's on same C as carbonyl) are NOT involved in keto-enol tautomerism.

② most stable enol form is the one with most conjugation or if conjugation not a factor, one with most substituted double bond.

