

中国药科大学 有机化学 期末试卷答案 (36-58 班)

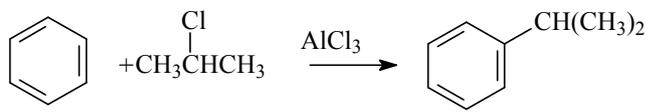
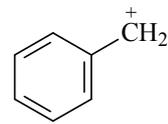
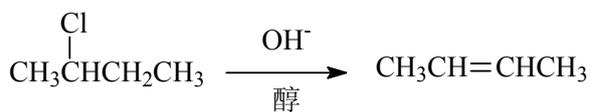
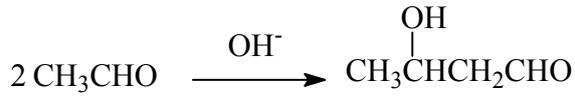
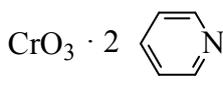
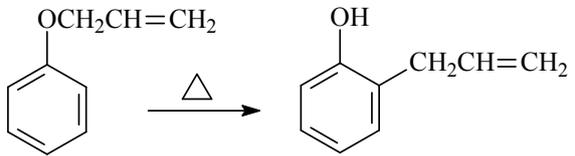
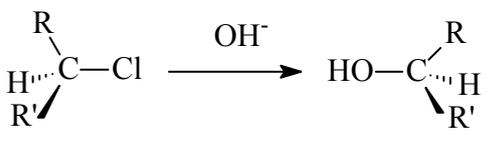
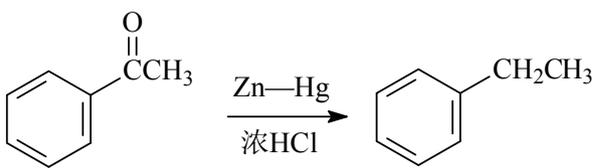
2008-2009 学年第一学期 2009. 1

一、用系统命名法命名 (带*每题 2 分, 其余每题 1 分, 共 10 分)

(带*题构型标记、名称各占一分)

- | | |
|-----------------------|----------------------------|
| 1. 烯丙基丙烯基醚 | 2.* (S)-5, 6-二甲基-3-丁基-1-庚炔 |
| 3*. (1R,3R)-1,3-二氯环己烷 | 4. 6-甲基-1-萘磺酸 |
| 5. 4-甲基-6-庚烯-2,5-二醇 | 6. 6-甲基-4-庚烯醛 |
| 7*. R-3-甲基-3-巯基环己酮 | |

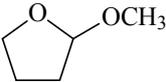
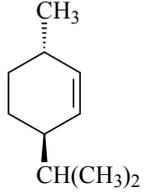
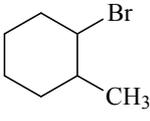
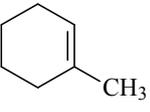
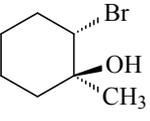
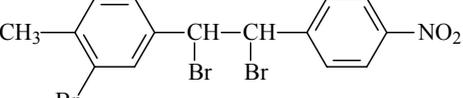
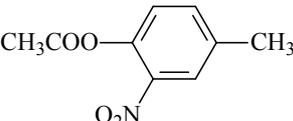
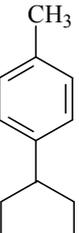
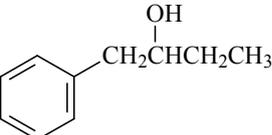
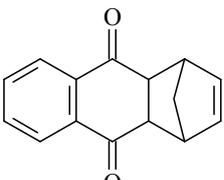
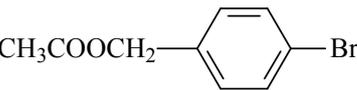
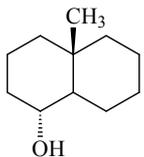
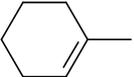
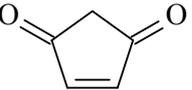
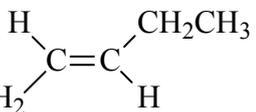
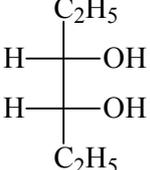
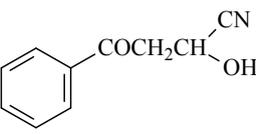
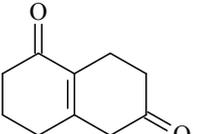
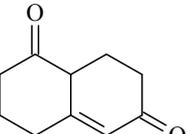
二、名词解释 (7、8 每题 2 分, 其余每题 1 分, 共 10 分)

- 
- 
- 
- 
- 
- 
7. RMgX
8. $\text{RONa} + \text{R}'\text{X} \longrightarrow \text{ROR}'$
- 
- 

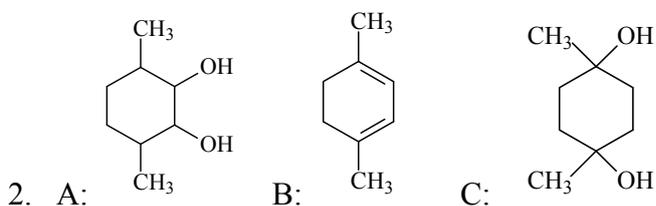
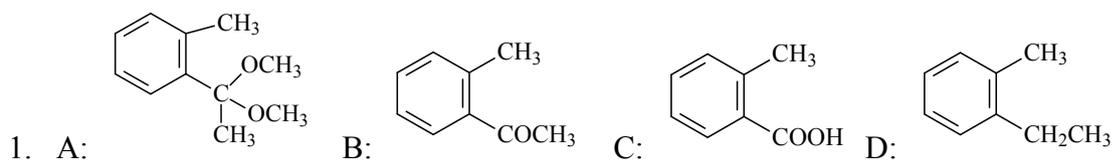
三、单项选择题 (每小题 1 分, 共 15 分)

ACBDD BDACC DADBA

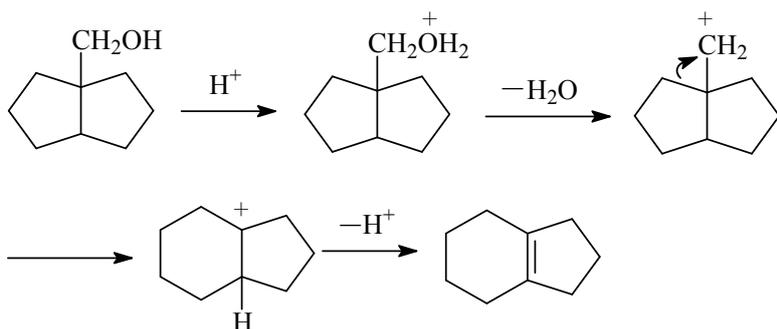
四、完成反应式 (每空 1 分, 共 35 分)

1.  2. $(\text{CH}_3)_2\text{C}(\text{Cl})\text{CH}=\text{CH}_2$, $\text{CH}_2=\text{C}(\text{CH}_3)-\text{CH}=\text{CH}_2$ 3. 
4. , , ,  5. 
6.  7.  8. $\text{CH}_3-\text{C}(\text{CH}_3)(\text{OCH}_3)-\text{CH}_2\text{OH}$
9. NBS, $\text{HC}\equiv\text{CNa}$, Na/NH_3 , 1) O_3 2) $\text{Zn}/\text{H}_2\text{O}$, 
10. $(\text{CH}_3)_3\text{CCH}_2\text{OH}$, HCOO^- 11. 
12.  13.  14.  15. 
16. $\text{CH}_3\text{CH}_2\text{C}\equiv\text{C}^- \text{Na}^+$, $\text{CH}_3\text{CH}_2\text{C}\equiv\text{CCH}_2\text{CH}_3$, , 
17.  18. HCHO , $\text{CrO}_3 \cdot \text{H}_2\text{SO}_4$, 
19. $\text{CH}_2=\text{CHCOCH}_3$, , 

五、推测结构 (共 14 分, 每空 2 分)

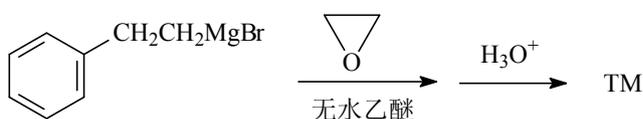
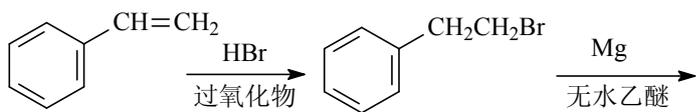
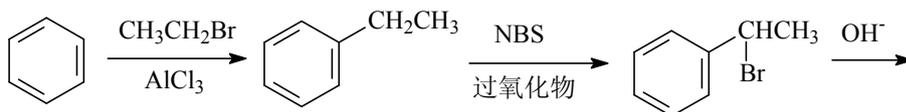
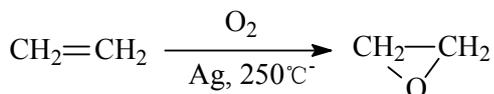


六、反应机理 (共 4 分, 每步 1 分)

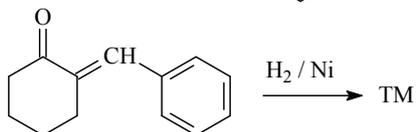
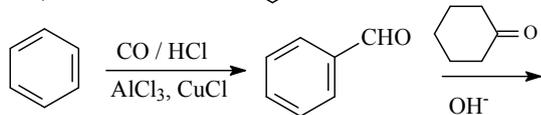
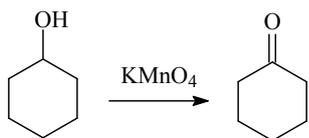


七、合成题 (共 20 分) (答案以外合理的路线均给分。反应条件缺失, 每题最多扣 1 分)

1. (共 4 分)



2. (每步 1 分, 共 6 分)



3. (每步 1 分, 共 5 分)

