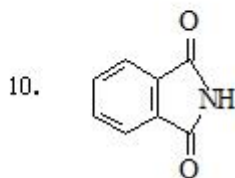
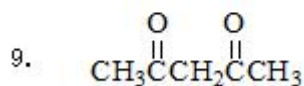
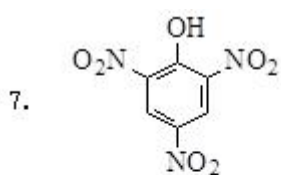


有机化学参考答案 (试卷 I)

一、命名或写出结构式 (本大题共 10 小题, 每小题 1 分, 共 10 分。)

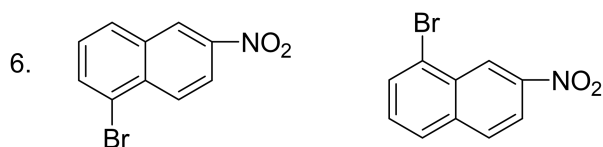
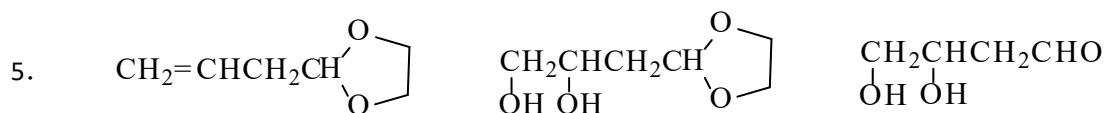
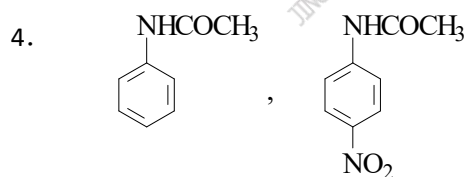
- 2,6-二甲基-3,6-二乙基辛烷
- 6-甲基二环[3.1.1]庚烷
- ^{*} (2R)-4-溴-丁烷
- 3-甲基二环[4.4.0]癸烷
- 5-硝基-2-萘磺酸
- 对氨基苯甲酸乙酯

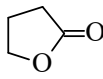
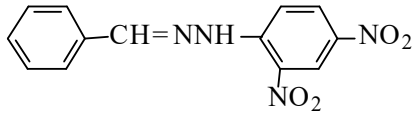
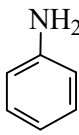
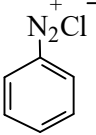
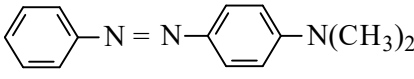
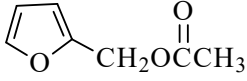
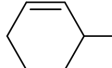
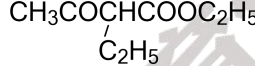


二、写出下列有机反应的主产物 (本大题共 13 小题, 每空 1 分, 共 26 分。)



3.



7. 
8. 
9.   
10. $\text{CH}_3\text{CH}=\text{CHCH}_3$
11. 
12. $\text{NaOH/醇}\triangle$ NBS/h\nu -MgBr ① $\text{CO}_2/\text{干醚}$ ② H_3O^+
13. $\text{CH}_3\text{COCH}_2\text{COOCH}_2\text{CH}_3$ 

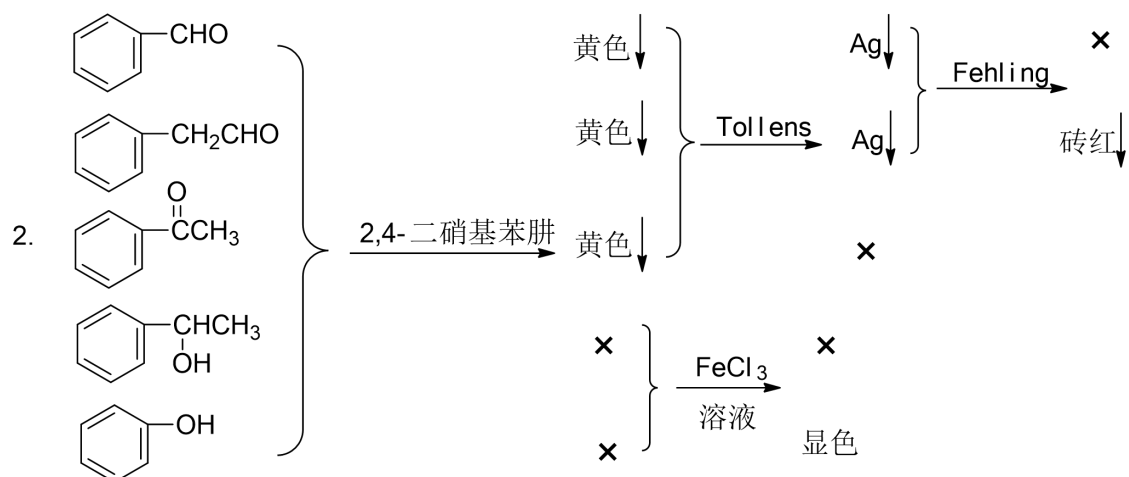
三、单项选择题(本大题共 12 小题，每小题 2 分，共 24 分。)

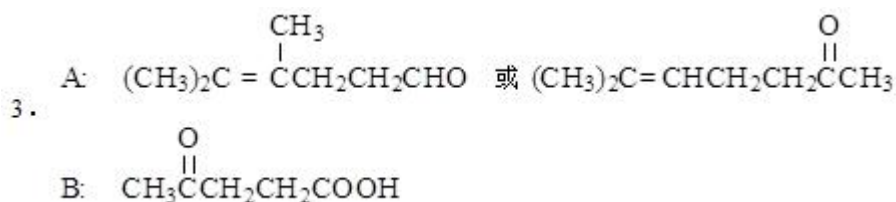
1. A 2. B 3. C 4. B 5. D 6. B 7. B 8. A 9. D 10. B 11. C 12. C

四、问答题(本大题共 3 小题，第 1、2 小题各 6 分，第 3 小题 8 分，共 20 分。)

1. 用氢氧化钠水溶液处理，苯酚溶于碱溶液，分出有机相。有机相为苯胺。

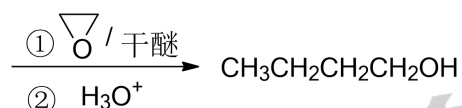
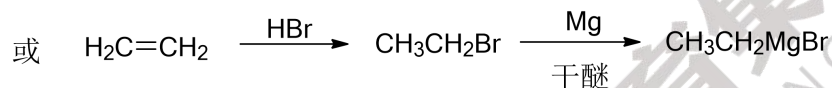
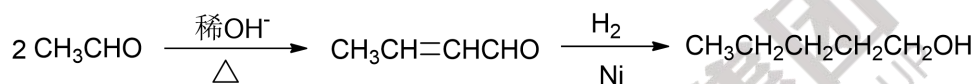
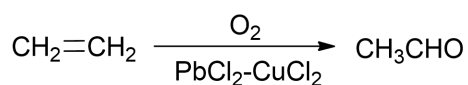
向水相通入二氧化碳，游离出苯酚，

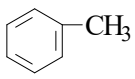
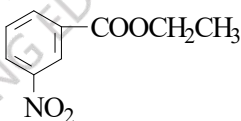


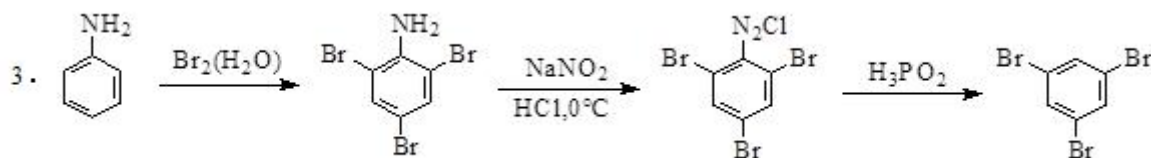
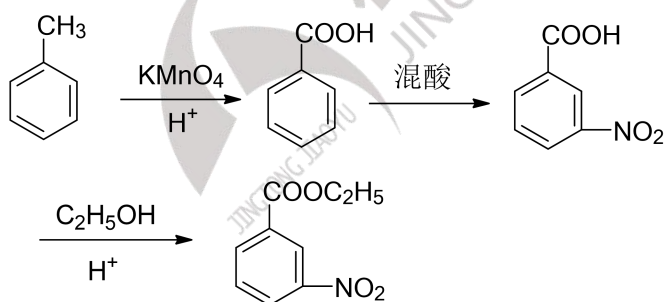


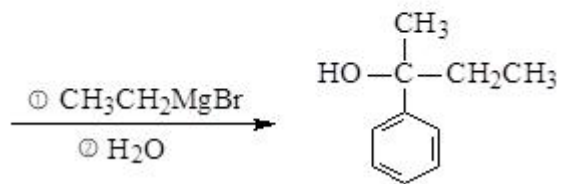
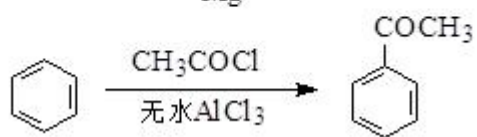
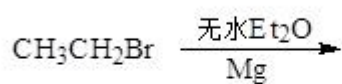
五、由指定原料合成下列各化合物(无机试剂、四个碳或四个碳以下有机物任选)(本大题共 4 小题, 每小题 5 分, 共 20 分。)

1、由乙烯合成正丁醇 ($\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$)



2、由  和 $\text{CH}_3\text{CH}_2\text{OH}$ 合成 





有机化学参考答案 (试卷 II)

一、命名或写出结构式 (本大题共 10 小题, 每小题 1 分, 共 10 分。)

1. 2,2,3,3-四甲基戊烷

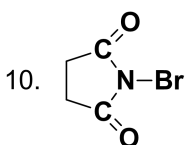
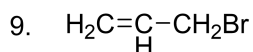
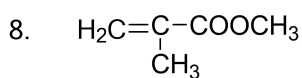
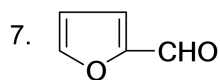
2. 螺[2.5]-4-辛烯

3. 2, 5-二甲基噻吩

4. 4-硝基苯甲酰氯

5. 4-乙基苯乙酮

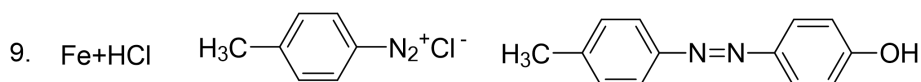
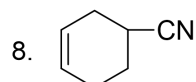
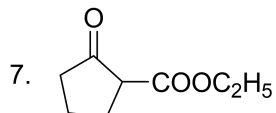
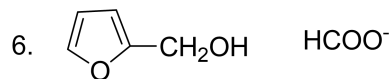
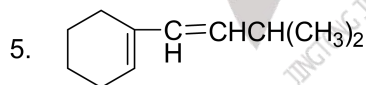
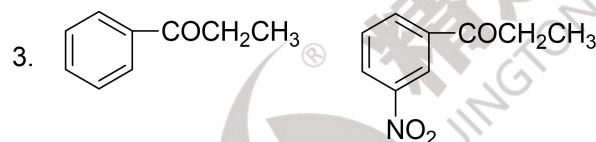
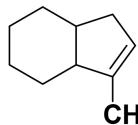
6. S-2-溴丁酸

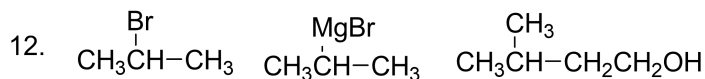
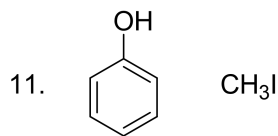
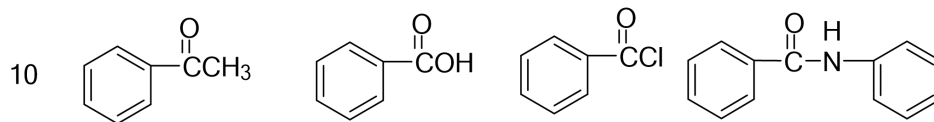


二、写出下列有机反应的主产物 (本大题共 13 小题, 每空 1 分, 共 26 分。)

1. $\text{CH}_3-\text{C}\equiv\text{CNa}$ $\text{CH}_3-\text{C}\equiv\text{CCH}_2\text{CH}_2\text{CH}_3$ $\text{H}_2/\text{Lindlar}$ 催化剂

2. ① O_3
② $\text{Zn}/\text{H}_2\text{O}$



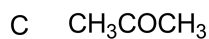
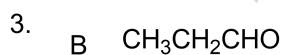
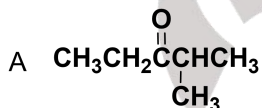
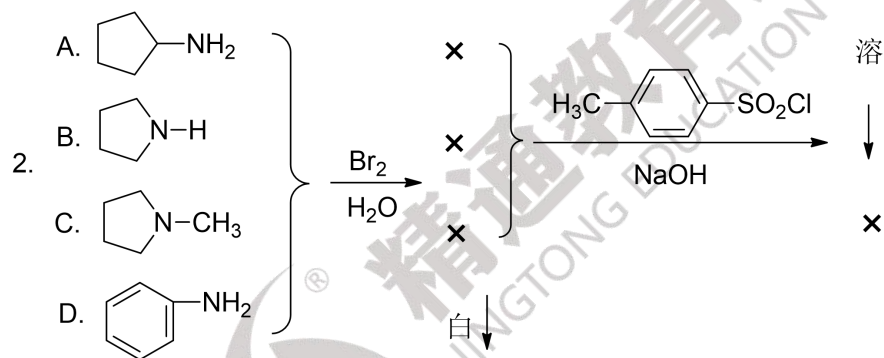


三、单项选择题(本大题共 12 小题，每小题 2 分，共 24 分。)

1. D 2. C 3. C 4. D 5. C 6. B 7. D 8. D 9. B 10. B 11. B 12. D

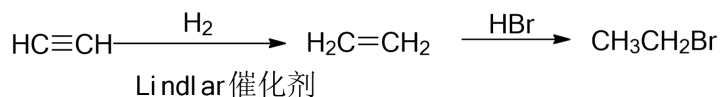
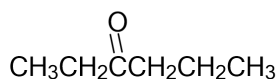
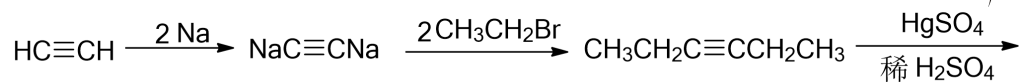
四、问答题(本大题共 3 小题，第 1、2 小题各 6 分，第 3 小题 8 分，共 20 分。)

1. 解：用氢氧化钠水溶液处理，β-萘酚溶于氢氧化钠水溶液，分出正辛醇，水相用盐酸酸化，分出β-萘酚。

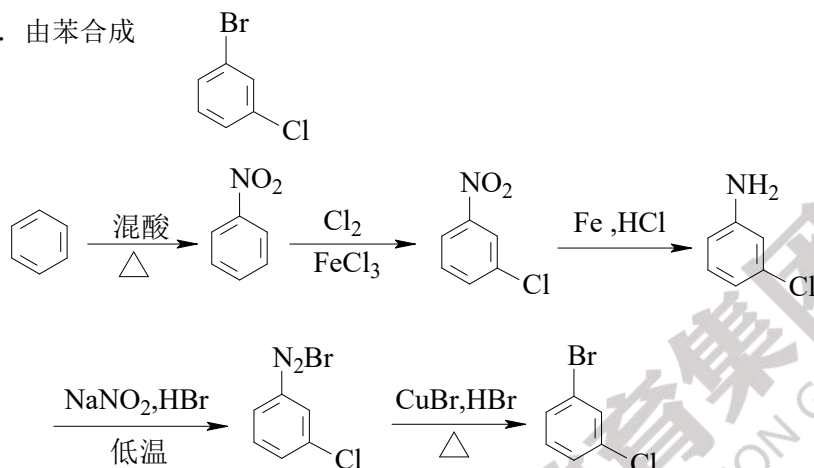


五、由指定原料合成下列各化合物(无机试剂、四个碳或四个碳以下有机物任选)(本大题共 4 小题，每小题 5 分，共 20 分。)

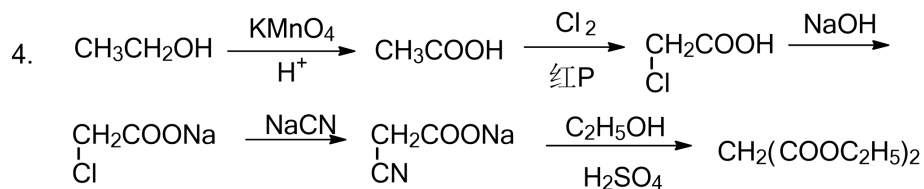
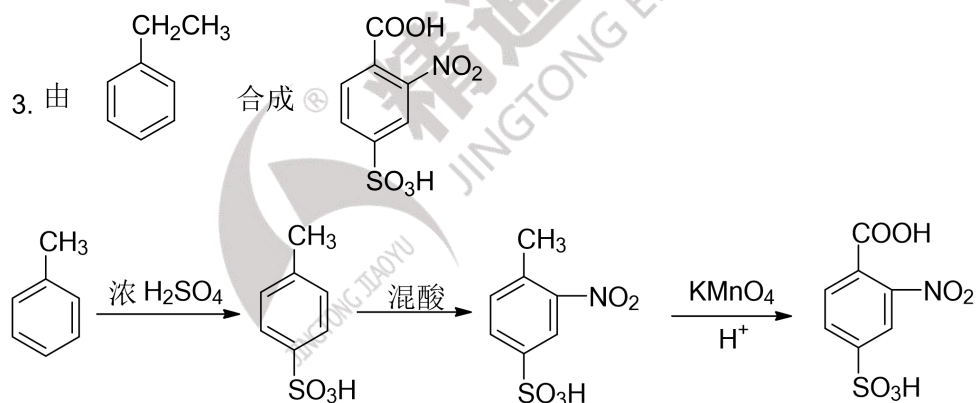


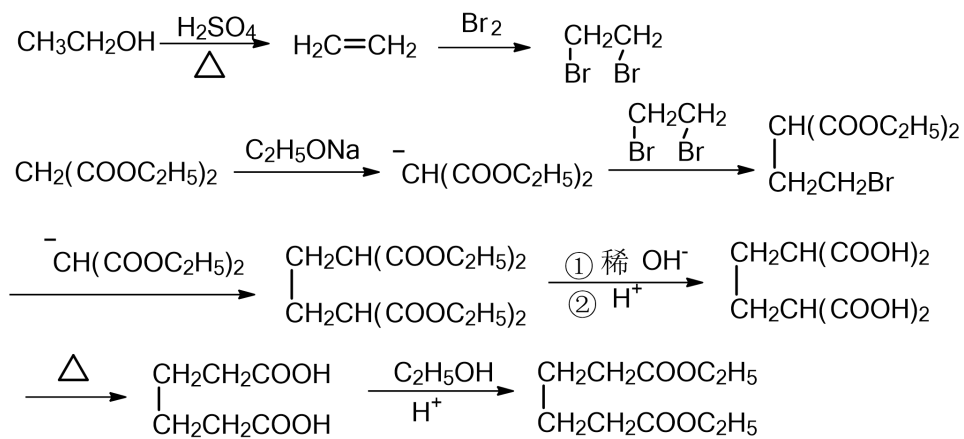


2. 由苯合成



3. 由

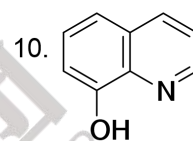
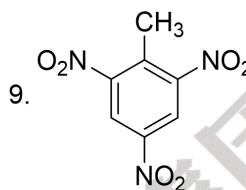
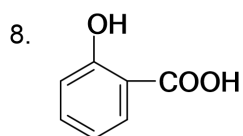
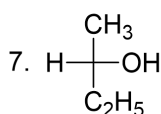




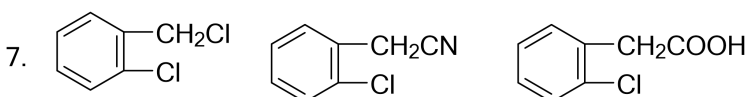
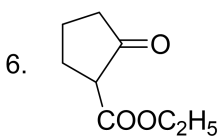
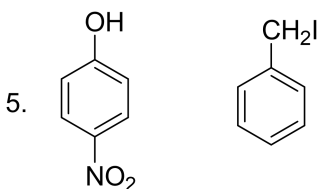
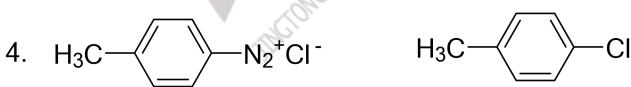
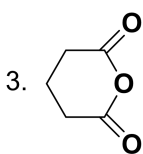
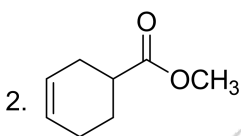
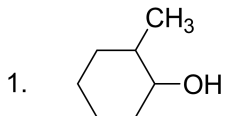
有机化学参考答案 (试卷 V)

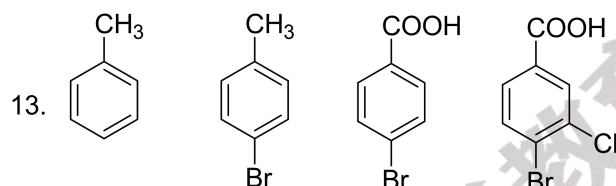
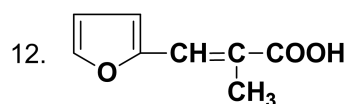
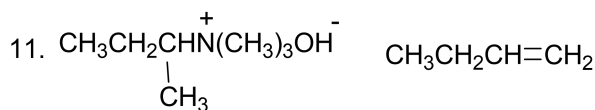
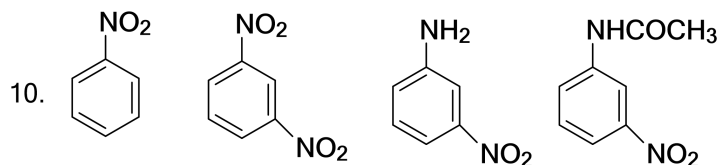
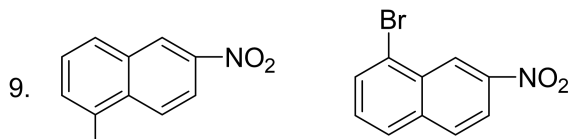
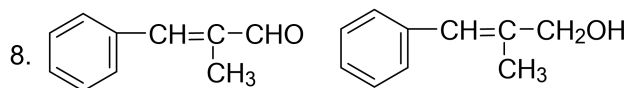
一、命名或写出结构式 (本大题共 10 小题, 每小题 1 分, 共 10 分。)

1. 3-甲基-4-乙基己烷
2. (3E) - 3-甲基-3-己烯
3. 间苯二酚
4. 环己酮
5. 4-甲基-4'-羟基偶氮苯
6. 螺[2.5]-4-辛烯



二、写出下列有机反应的主产物 (本大题共 13 小题, 每空 1 分, 共 26 分。)

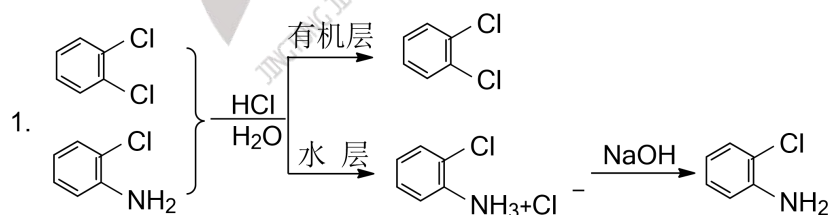


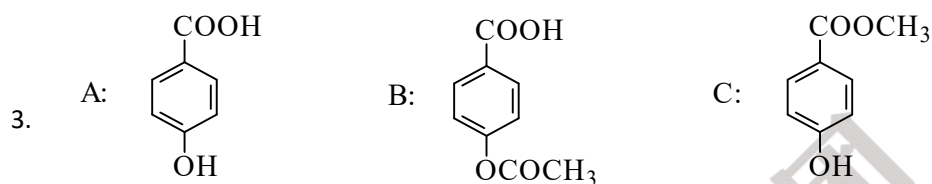
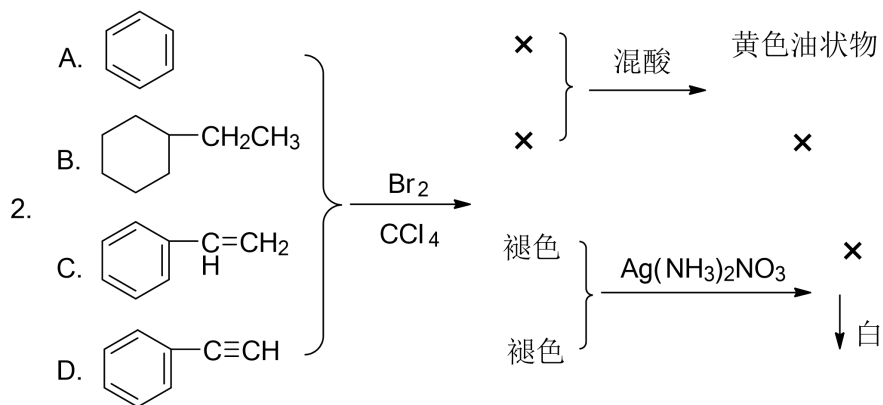


三、单项选择题(本大题共 12 小题, 每小题 2 分, 共 24 分。)

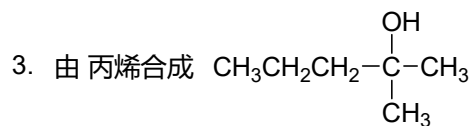
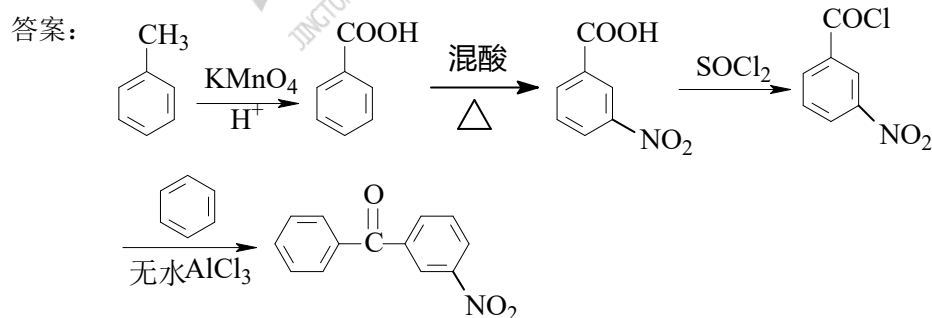
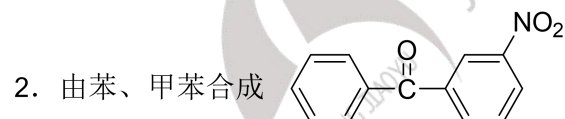
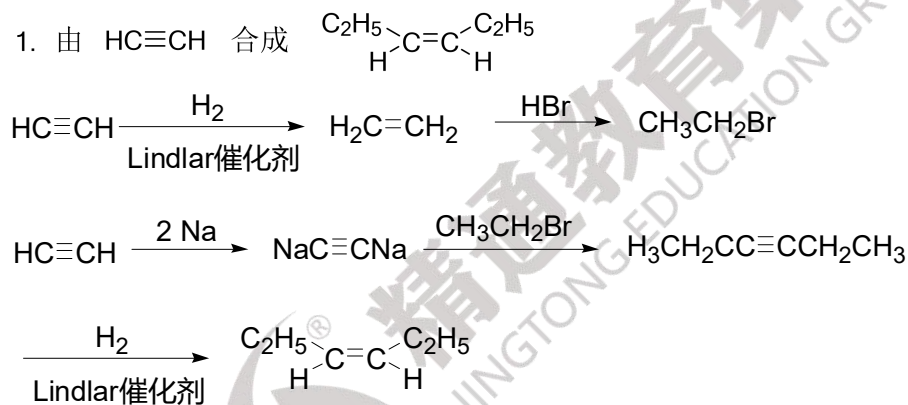
1. B 2. A 3. B 4. C 5. A 6. C 7. A 8. A 9. B 10. B 11. D 12. B

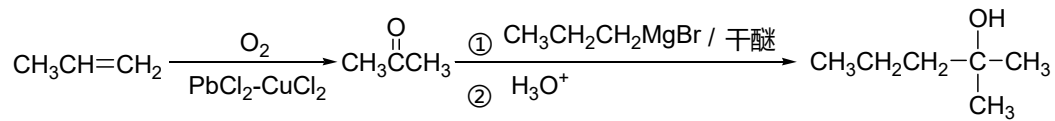
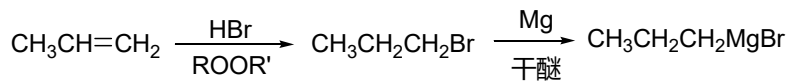
四、问答题(本大题共 3 小题, 第 1、2 小题各 6 分, 第 3 小题 8 分, 共 20 分。)


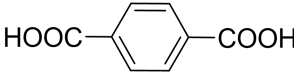


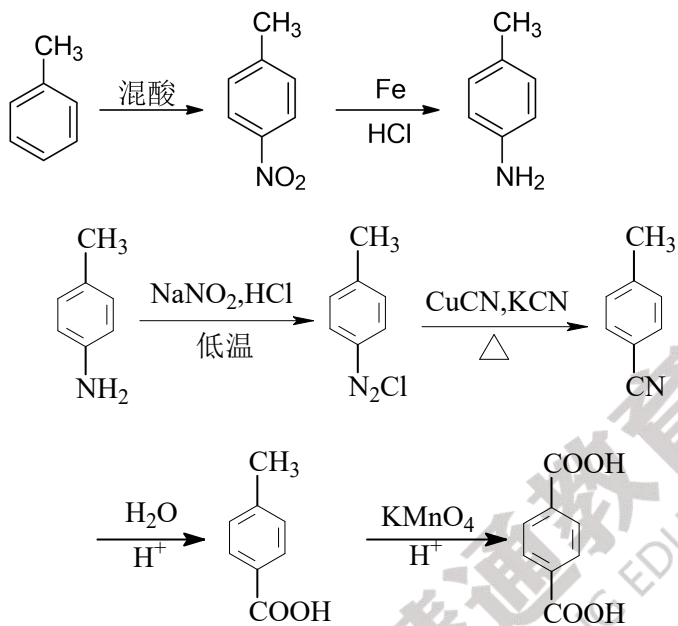


五、由指定原料合成下列各化合物(无机试剂、四个碳或四个碳以下有机物任选)(本大题共 4 小题, 每小题 5 分, 共 20 分。)





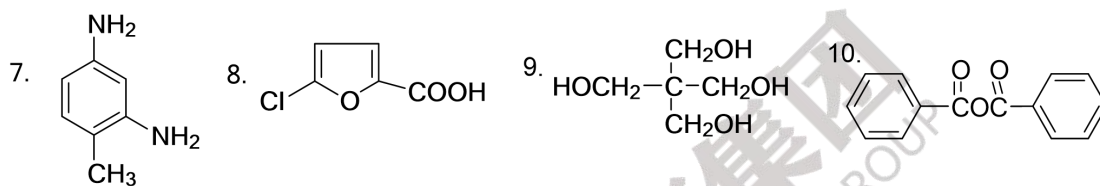
4. 由  合成 



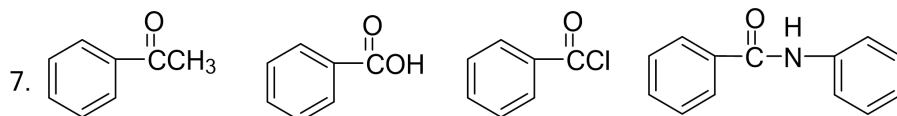
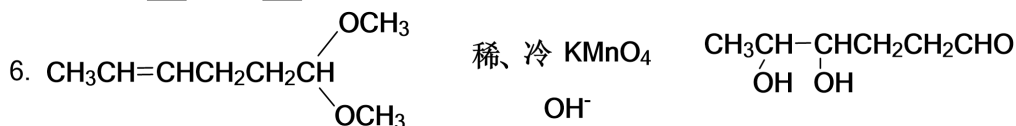
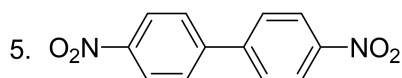
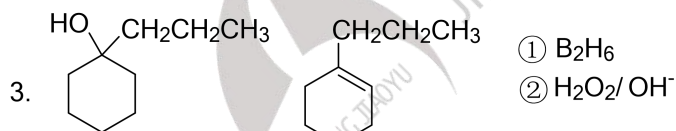
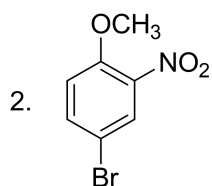
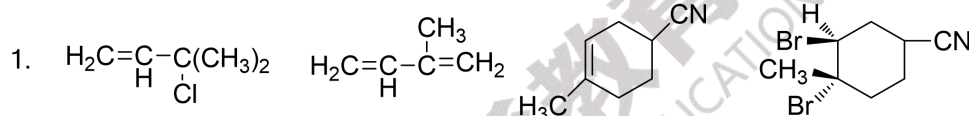
有机化学参考答案 (试卷 IV)

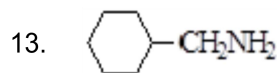
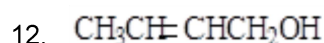
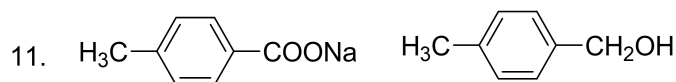
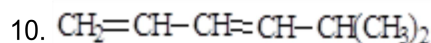
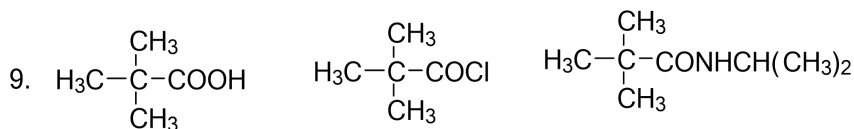
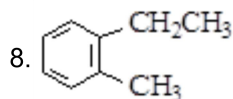
一、命名或写出结构式 (本大题共 10 小题, 每小题 1 分, 共 10 分。)

- 3-甲基-3-乙基-6-异丙基壬烷
- 2-硝基苯甲醛
- 4-甲基螺[2.4]庚烷
- (2R,3S)-2-氯-3-溴戊烷
- 2-甲基-4-苯基-2-戊烯-1-醇
- 2-甲基-2,3-环氧丁烷



二、写出下列有机反应的主产物 (本大题共 13 小题, 每空 1 分, 共 26 分。)



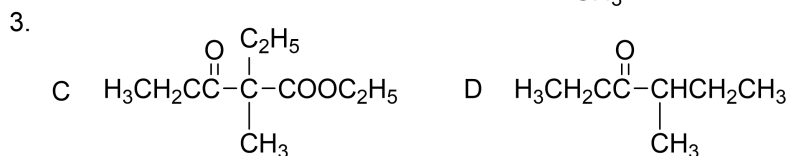
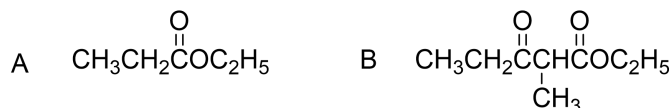
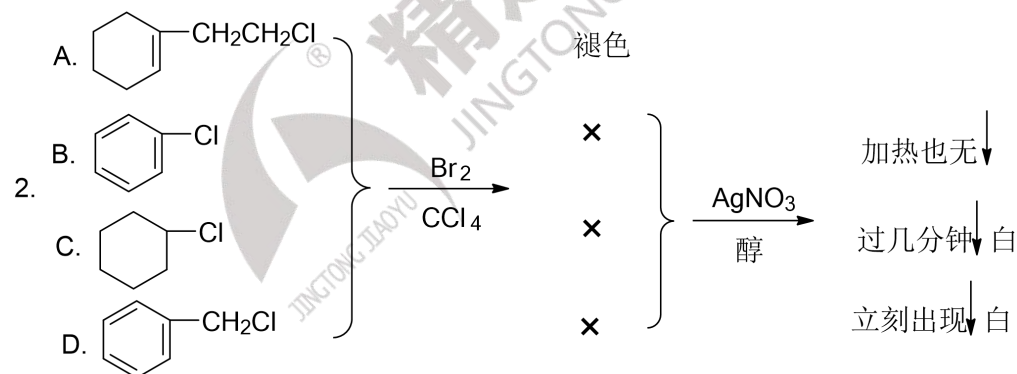


三、单项选择题(本大题共 12 小题, 每小题 2 分, 共 24 分。)


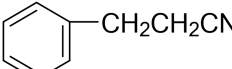
1. D 2. C 3. B 4. C 5. D 6. B 7. D 8. A 9. B 10. C 11. C 12. C

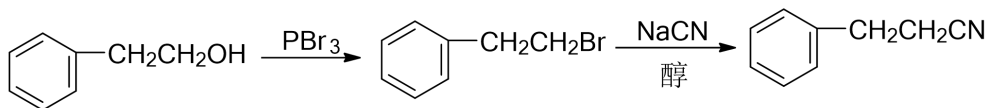
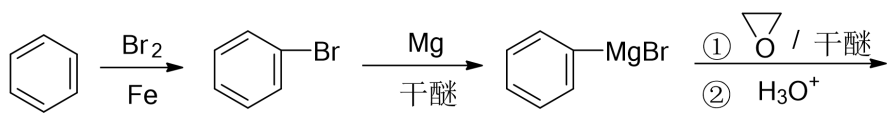
四、问答题(本大题共 3 小题, 第 1、2 小题各 6 分, 第 3 小题 8 分, 共 20 分。)

1. 用氢氧化钠水溶液处理, 对甲苯酚溶于氢氧化钠水溶液, 苯甲醚不溶分出, 水相用盐酸酸化分出对甲苯酚。

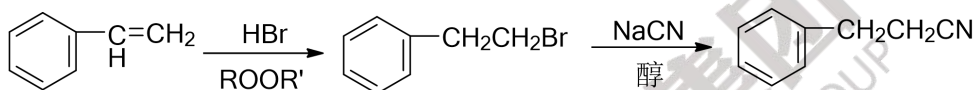
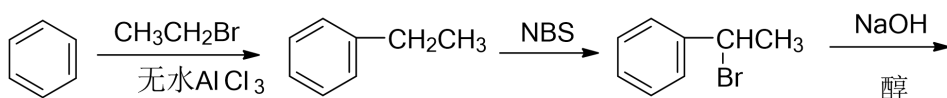


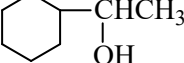
五、由指定原料合成下列各化合物(无机试剂、两个碳或两个碳以下有机物任选)(本大题共 4 小题, 每小题 5 分, 共 20 分。)

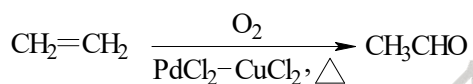
1. 由  合成 


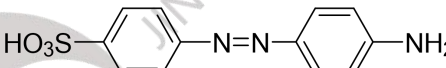


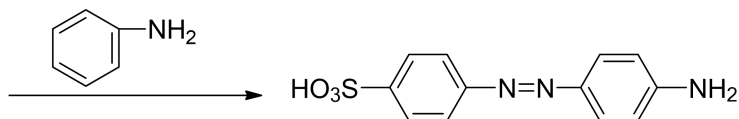
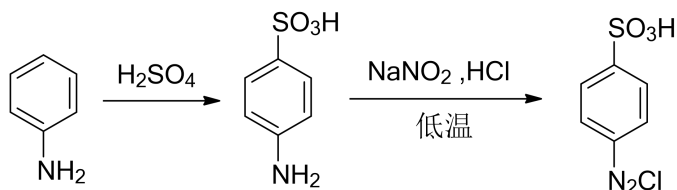
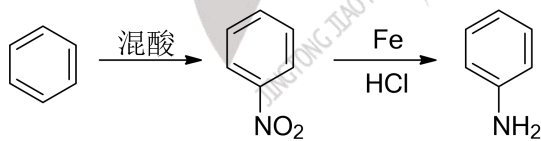
或




2. 由乙烯、环己烯合成 



3. 由  合成 



4. 由  合成 