

华南理工大学 2011 年有机化学参考答案

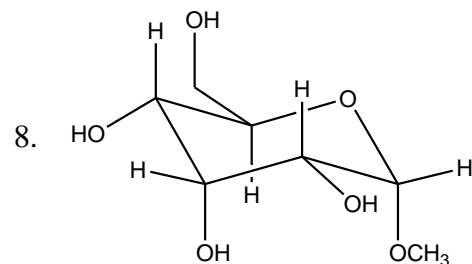
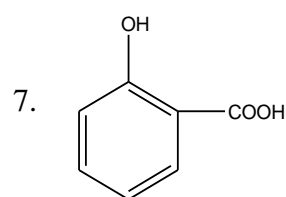
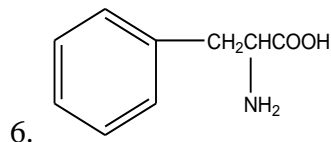
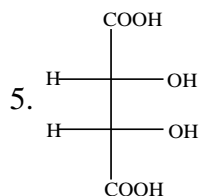
一、写出下列各化合物的名称或结构式（每小题 2 分，共 16 分）

1. (z)-2-氯甲基-2-戊烯酸

2. 2-对甲氨基偶氮苯

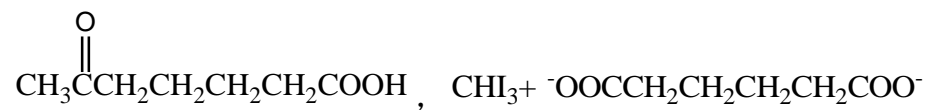
3. 5,7,7-三氯二环[2.2.1]-2-庚烯

4. 顺丁烯二酸酐

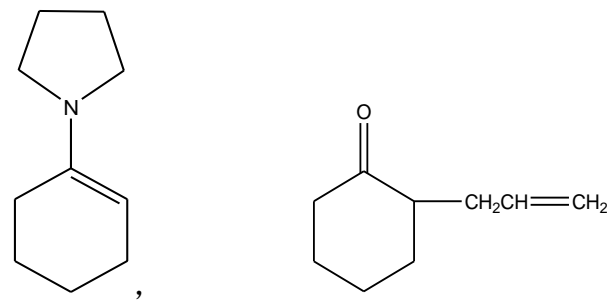


二、完成下列反应（每空 2 分，共 42 分）

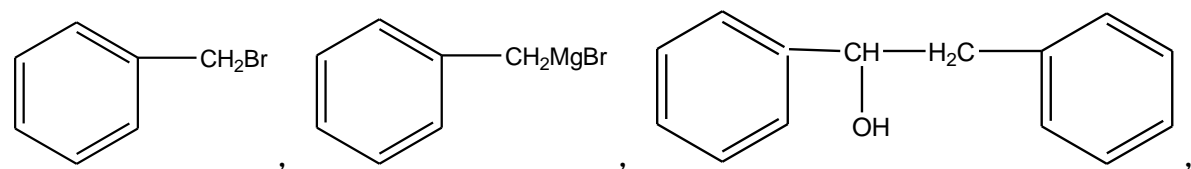
1.

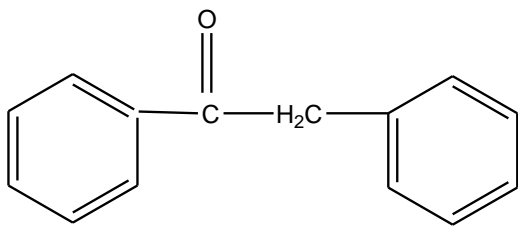


2.

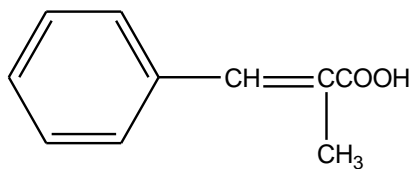


3.

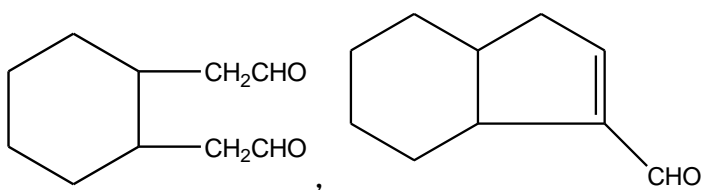




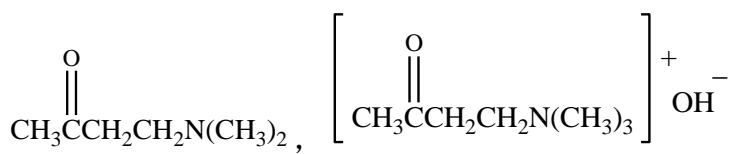
4.



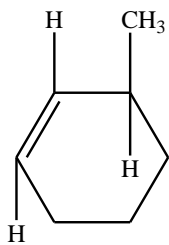
5.



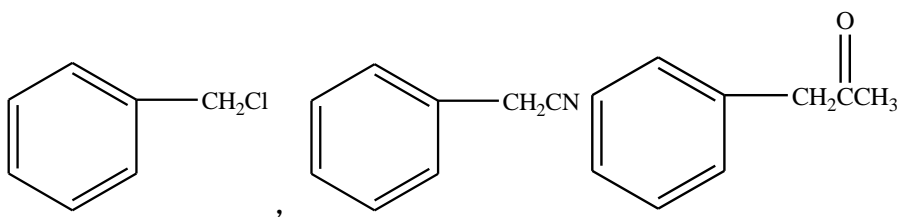
6.



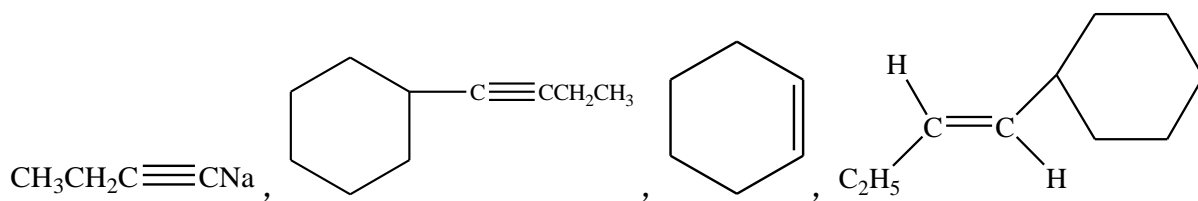
7.



8.



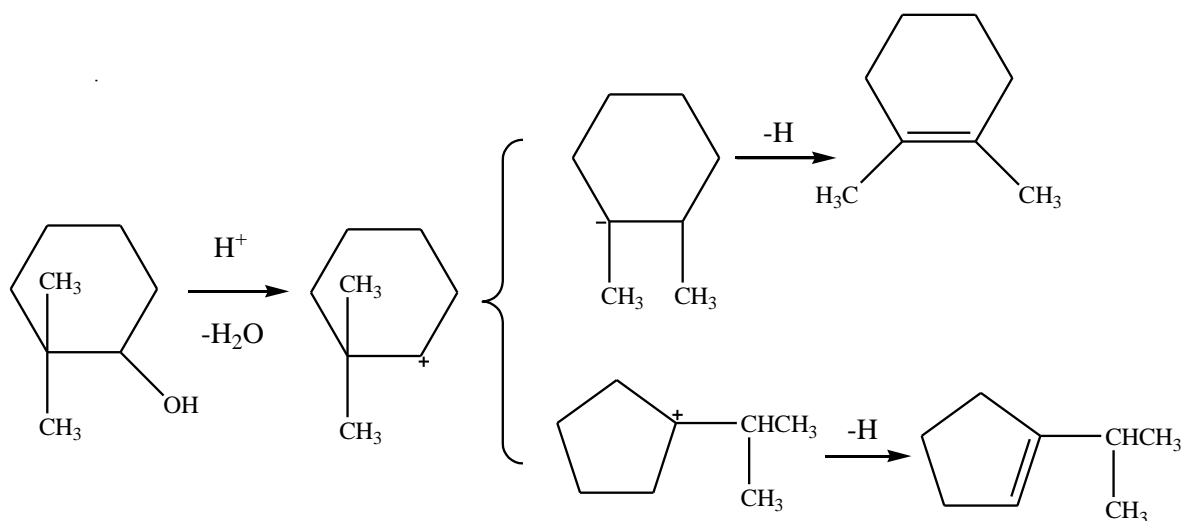
9.



三、单项选择题（共 22 小题，每小题 1.5 分，共 33 分）

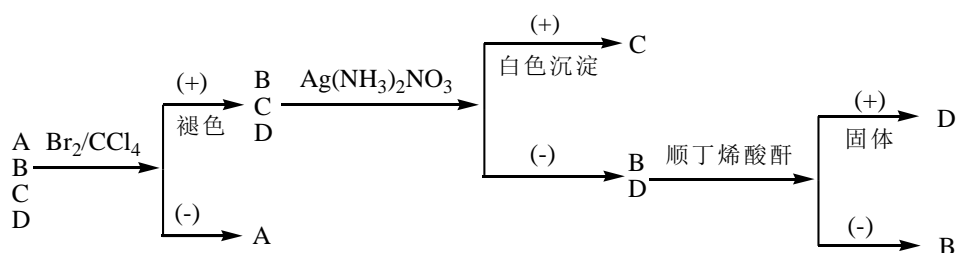
1	2	3	4	5	6	7	8	9	10
D	C	A	A	C	B	C	A	A	D
11	12	13	14	15	16	17	18	19	20
C	C	B	B	A	A	D	B	D	A
21	22								
B	A								

四、2, 2- 二甲基环己醇用酸处理后生成 1, 2-二甲基环己烯和 1-异丙基环戊烯，写出合理的反应历程。（6 分）

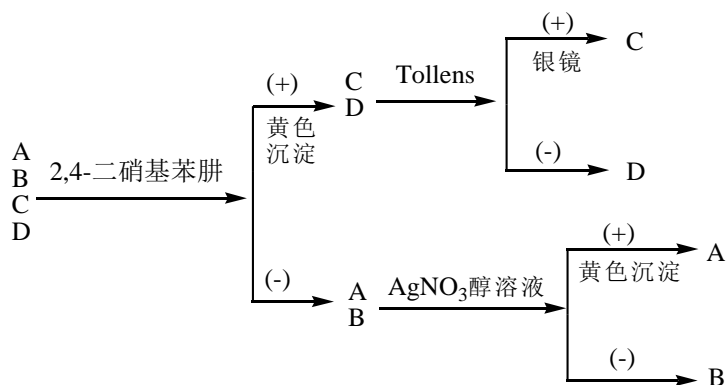


五、鉴别题（每题 4 分，共 8 分）

1.

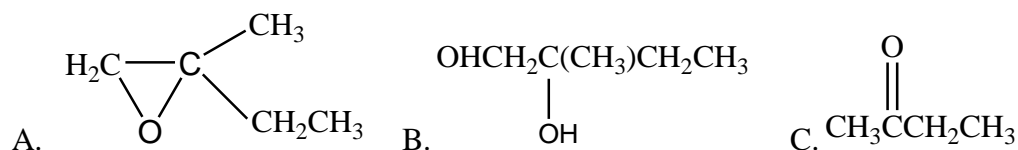


2.

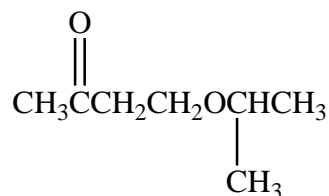


六、推导化学结构式(每题 5 分, 共 10 分)

1.

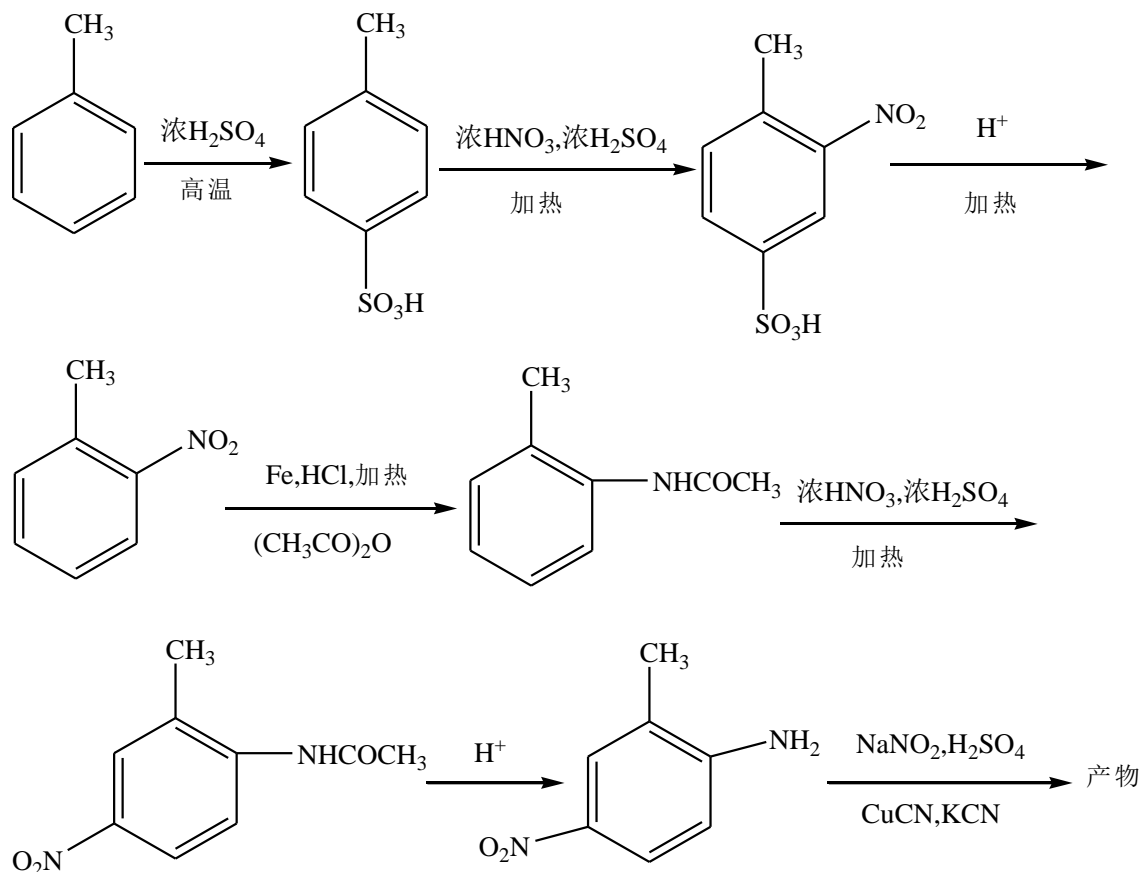


2.

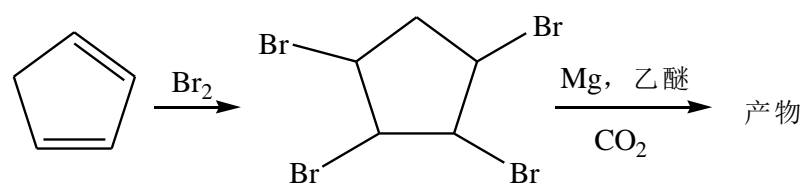


七、合成题(每小题 7 分, 共 35 分)

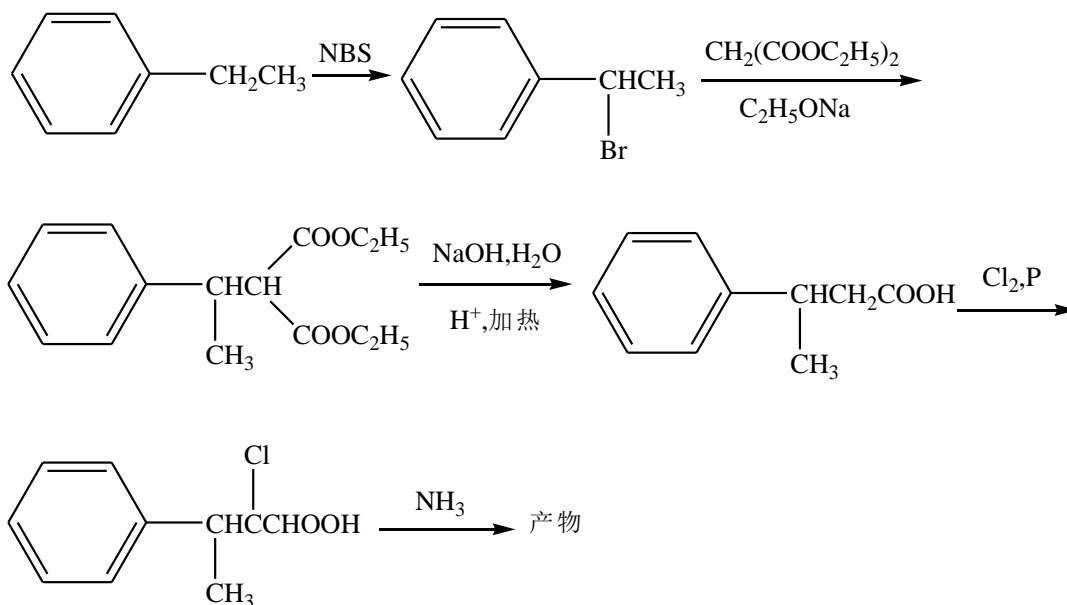
1.



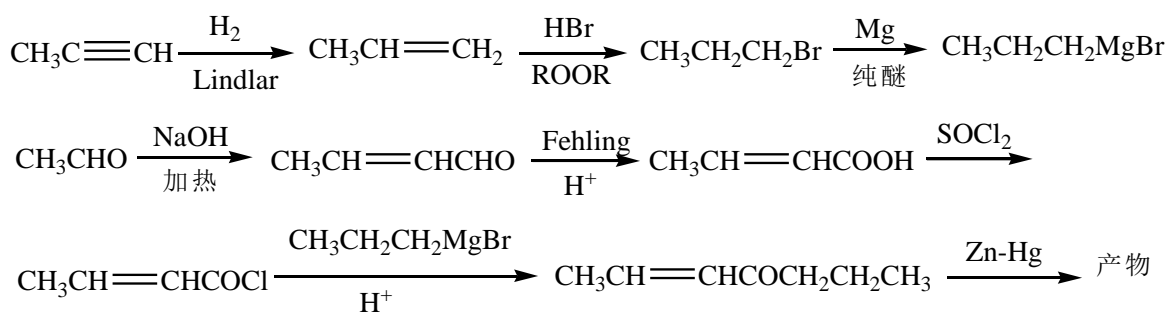
2.



3.



4.



5.

