

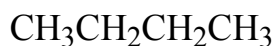
國立高雄應用科技大學
105 學年度研究所碩士班招生考試
化學工程與材料工程系碩士班
有機化學

試題 共 4 頁，第 1 頁

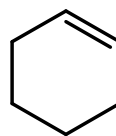
注意：a. 本試題共 8 題，每題 4 分，共 32 分。
b. 作答時不必抄題。
c. 考生作答前請詳閱答案卷之考生注意事項。

一、Give IUPAC names for the following compounds:

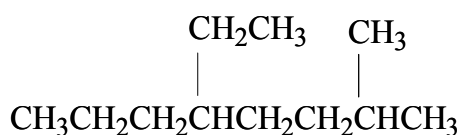
1.



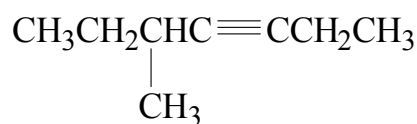
2.



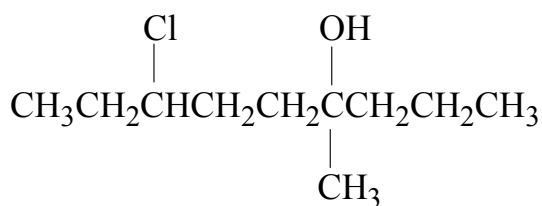
3.



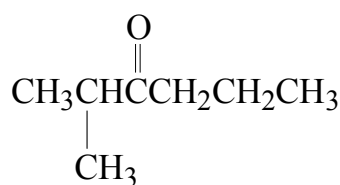
4.



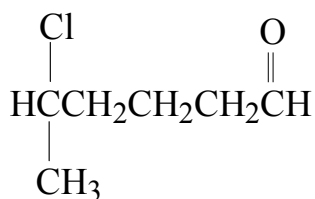
5.



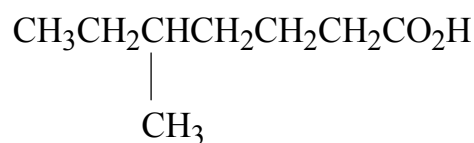
6.



7.



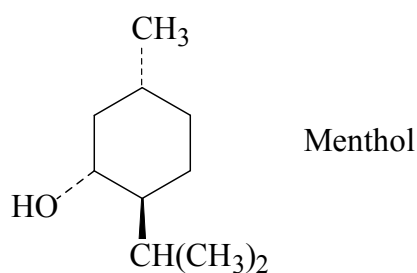
8.



- 注意：a. 本試題共 2 題，每題 10 分，共 20 分。
 b. 作答時不必抄題。
 c. 考生作答前請詳閱答案卷之考生注意事項。

二、Responses to the following problems:

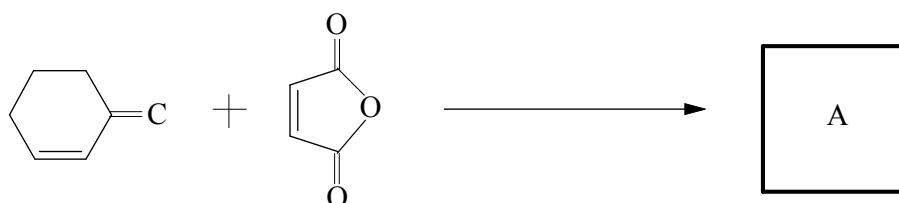
1. Draw the five isomers of C_6H_{14} .
2. Draw the two chair conformations of menthol, and tell which is less stable.



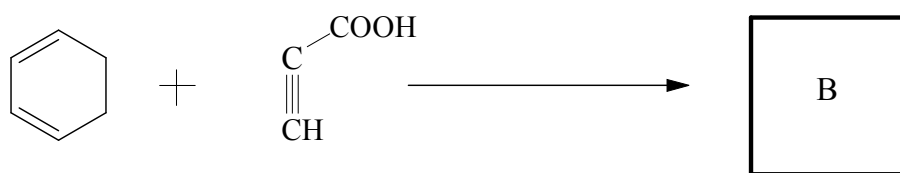
- 注意：a. 本試題共 12 題，每題 4 分，共 48 分。
 b. 作答時不必抄題。
 c. 考生作答前請詳閱答案卷之考生注意事項。

三、Finish the following reactions

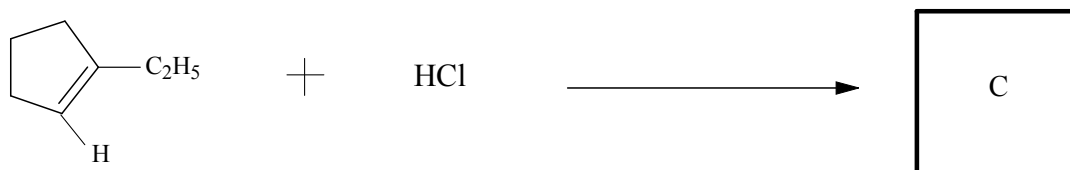
1.



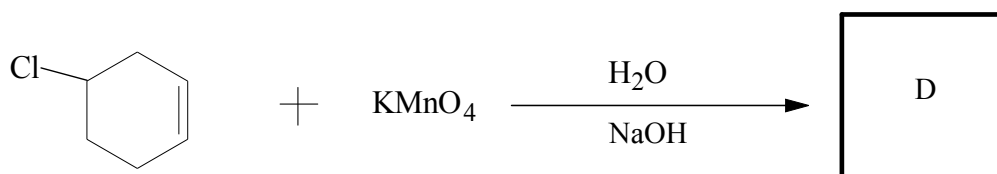
2.



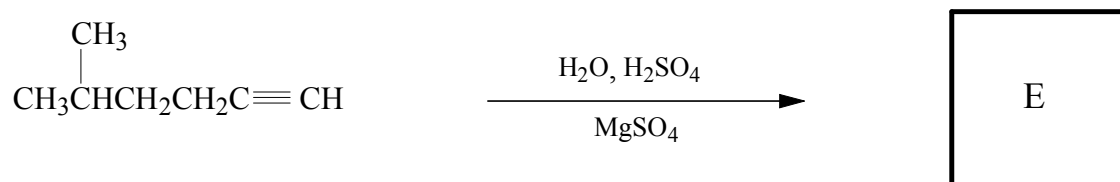
3.



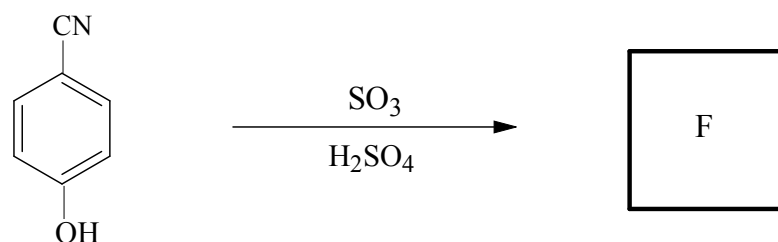
4.



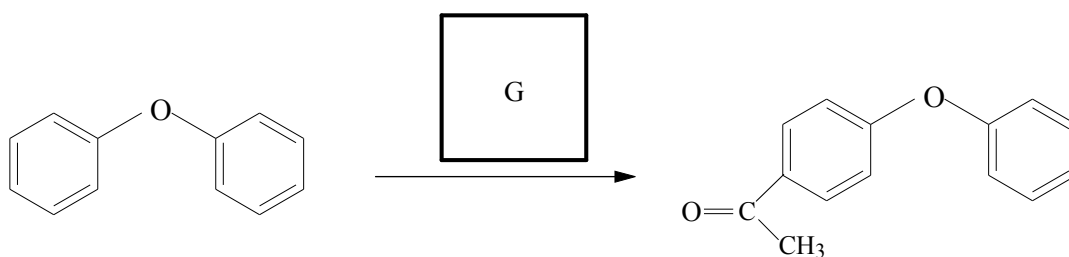
5.



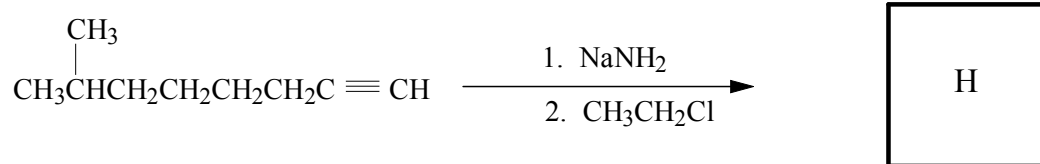
6.



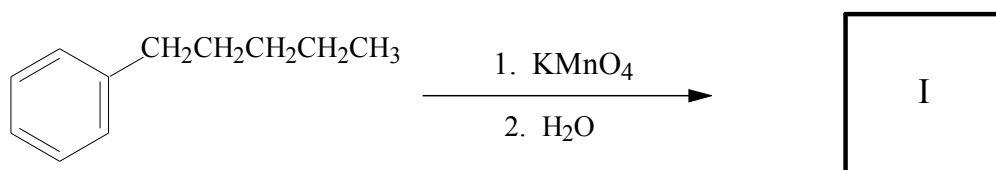
7.



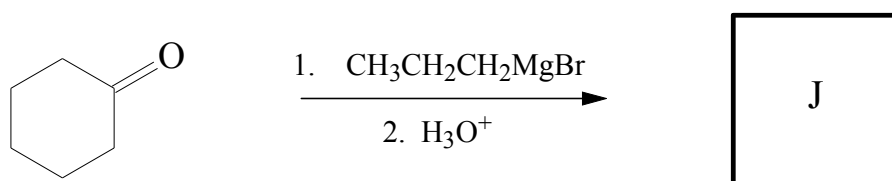
8.



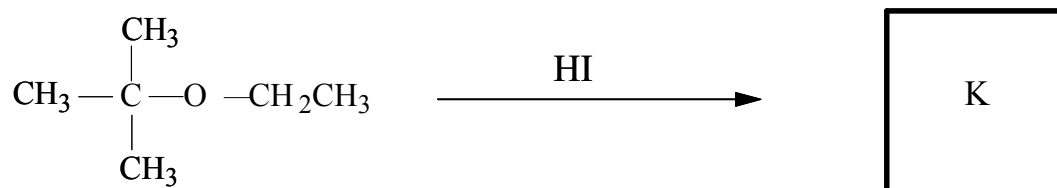
9.



10.



11.



12.

