

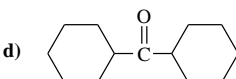
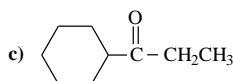
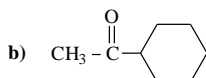
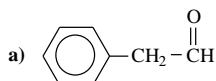
Questions

Choose the correct answer for each of the following questions

أختر الإجابة الصحيحة لكل سؤال من الأسئلة التالية :

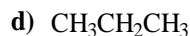
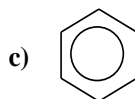
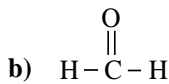
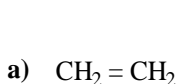
1- Which of the following compounds will give a positive iodoform test?

أي من المركبات التالية يتحقق عليه اختبار اليودوفورم :



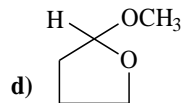
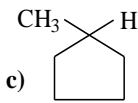
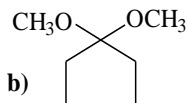
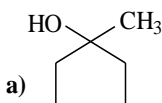
2- Which of the following compounds undergoes nucleophilic addition reaction?

أي من المركبات التالية يقوم بتفاعلات الضم (الإضافة) النيكلوفيلية :



3- Which of the following is known as ketal?

أي مركب من المركبات التالية تعرف بـ الكيتال :



4- The correct IUPAC name of

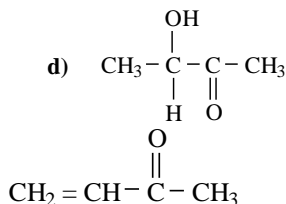
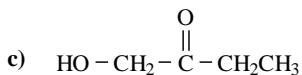
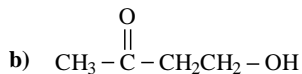
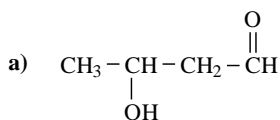
Is:

هو : الاسم المنهجي (IUPAC) للمركب اعلاه

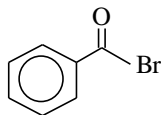


5- The formula structure of the following compound 4-Hydroxy-2-butanone is:

الصيغة البنائية للمركب التالي : 4-Hydroxy-2-butanone هي :



6- The correct IUPAC name of



Is:

الاسم المنهجي (IUPAC) للمركب اعلاه هو :

- a) Benzoyl bromide b) Benzyl bromide
c) Benzal bromide d) Phenyl bromide

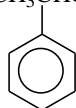
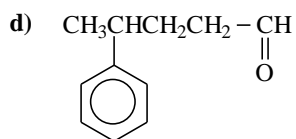
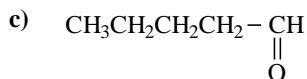
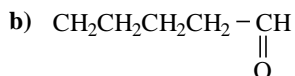
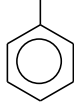
7- Aldehydes and Ketones undergo:

تعاني الألدهيدات والكيونات :

- a) Electrophilic substitution reactions
b) Electrophilic addition reactions
c) Nucleophilic substitution reactions
d) Nucleophilic addition reaction

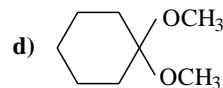
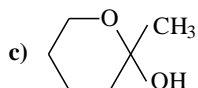
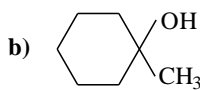
8- The structural formula of 4-Phenyl pentanal is:

المركب 4-Phenyl pentanal هو :

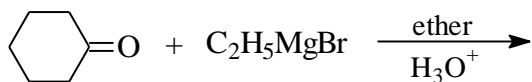


9- Which of the following compounds is called ketal?

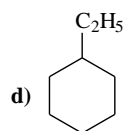
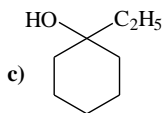
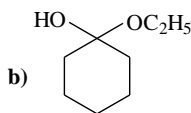
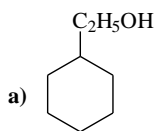
أي مركب من المركبات التالية يدعى كيتال :



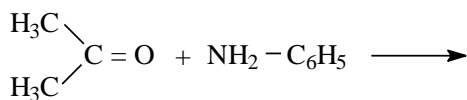
10- Choose the main product for the following equation:



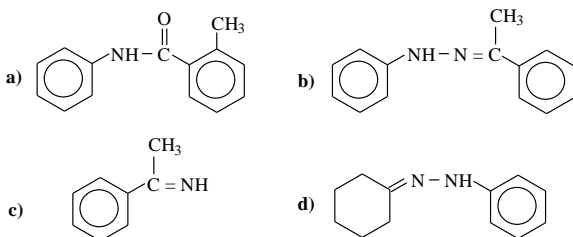
اختر المنتج الرئيس للتفاعل السابق :



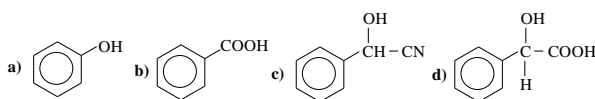
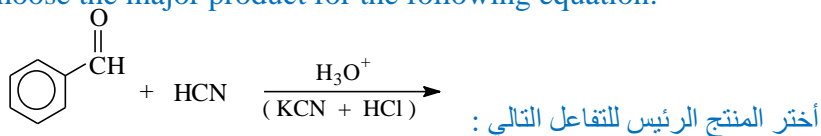
11- Choose the major product for the following equation:



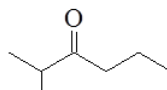
أختر المنتج الرئيس للتفاعل السابق :



12- Choose the major product for the following equation:



13- The name of the following compound

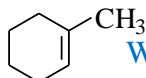


is:

اسم المركب السابق هو :

- a) Isopropyl propyl alcohol
- b) Isopropyl butyl aldehyde
- c) Isopropyl propyl ether
- d) Isopropyl propyl ketone

14- The reaction of

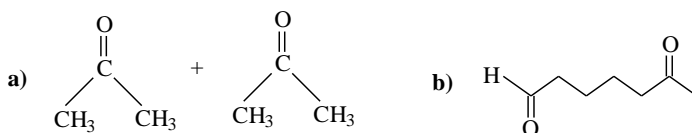


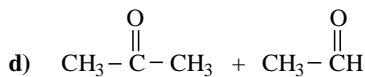
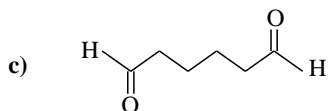
With ozone and then with solution of acetic acid in the presence of zinc gives:

ينتج من معاملة المركب أعلاه بالأوزون ثم معاملة الناتج بمحلول حمض الخل وبوجود

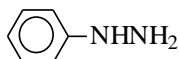
الخاصين

ما يلي :-

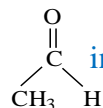




15- The reaction of
media, gives:

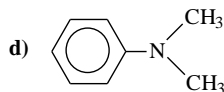
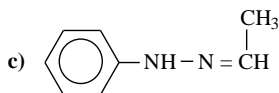
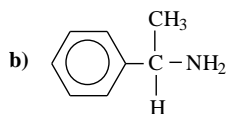
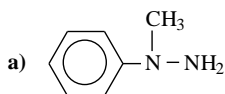


with

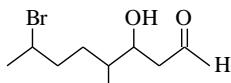


in acidic

يتفاعل المركبين أعلاه في الوسط الحمضي ليعطي :



16- The IUPAC name for the following structure is:



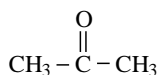
الاسم المنهجي للمركب السابق هو :

- a) 7-Bromo-3-hydroxy-4-methyl-5-octenal.
- b) 2-Bromo-6-hydroxy-5-methyl-3-octanal
- c) 4-Methyl-3-hydroxy-7-bromo-5-octanal
- d) 3-Hydroxy-4-methyl-7-bromo-5-octanal

17- The reaction of
gives:

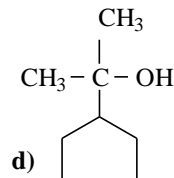
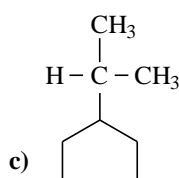
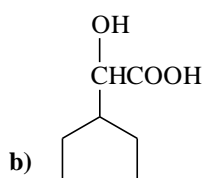
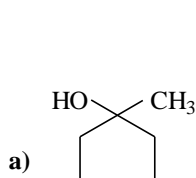


With

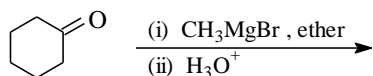


in the presence H_3O^+

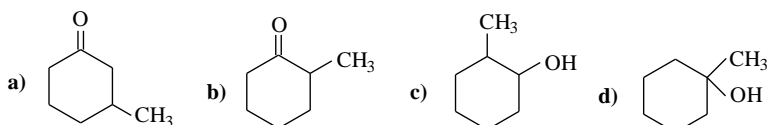
يتفاعل المركبين السابقين وتعطي بعد معاملتها بالوسط الحمضي (H_3O^+) ما يلي :



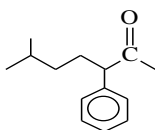
18- Which of the following compounds is formed from the given equation ?



أي من المركبات التالية ينتج عن التفاعل التالي :



19- The IUPAC name for



is

الاسم المنهجي للمركب السابق هو :

- a) 5-Methyl-2-phenylhexanal b) 6-Methyl-3-phenyl-2-heptanone
c) 5-Methyl-2-phenylhexanol d) 2-Methyl-5-phenyl-6-heptanone

20- The hybridization at the carbonyl carbon atom is:

تهجين ذرة الكربون في مجموعة الكربونيل هو :

- a) sp b) sp² c) sp³ d) sp⁴