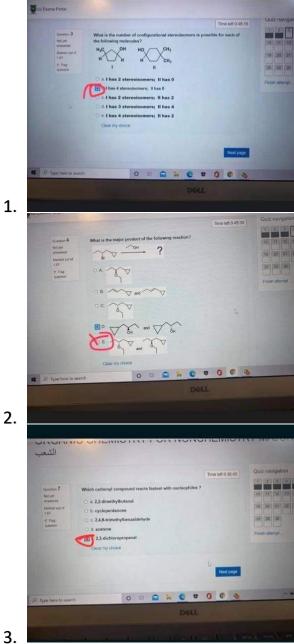
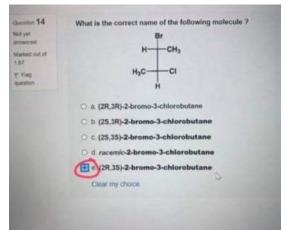
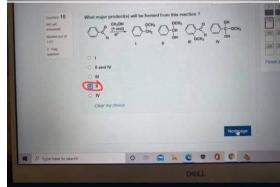
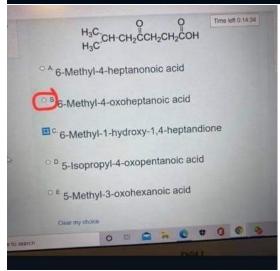
ORGANIC (FINAL EXAM)

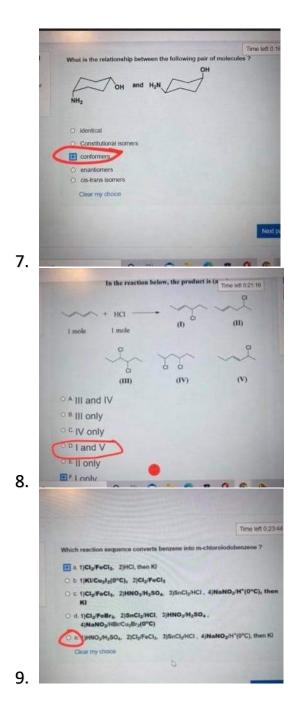


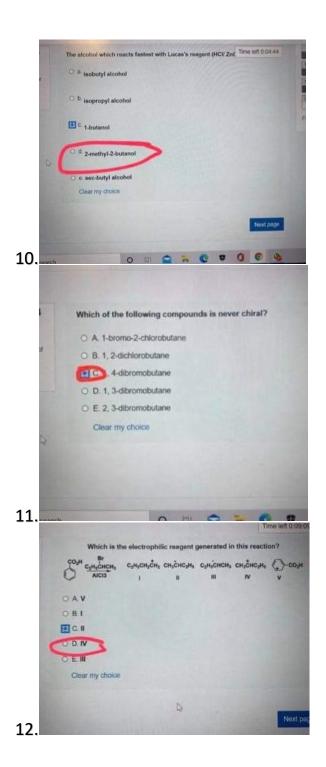


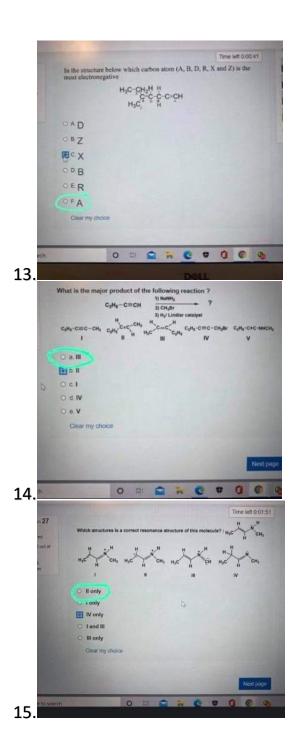


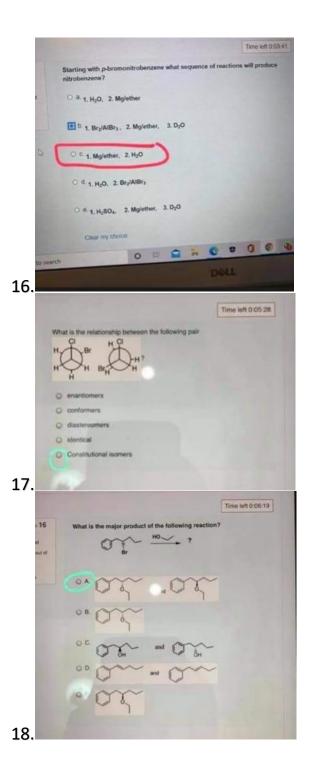
5.











What starting materials would give this compound as major product?

HO N

butanone + NH₂/H₂O

ethyl methy ketone + hydrazine + H₂O

1-butene + HBr, then NH₂/H₂O

2-butene + NH₂OH

butanone + hydroxylamine

20.

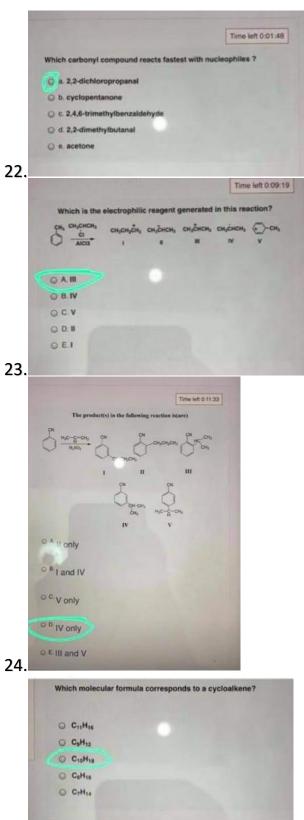
What products will be formed when 2-butene is treated with m-choloperbenzoic acid (peroxyacid) followed by methanol/H*?

a. 3-chlorobutan-2-ol

b. 2,3-butanediol

c. 2-butene oxide

d. butyl methyl ketone



Starting with p-bromotoluene what sequence of reactions will produce p-deuteriotoluene?

a. 1. D₂O, 2. Mg/ethe.

b. 1. H₂SO₆, 2. Mg/ether, 3. D₂O

c. 1. Br₂/AIBr₃, 2. Mg/ether, 3. D₂O

c. 1. Mg/ether, 2. D₂O

26.

In the following reaction OCI 1-CH₃NH₂ 2- LiAlH₄ The product (X) is: NHCH₃ NHCH₃ OH NHCH₃ OH NHCH₃

27.

What is the correct IUPAC name of the following compound

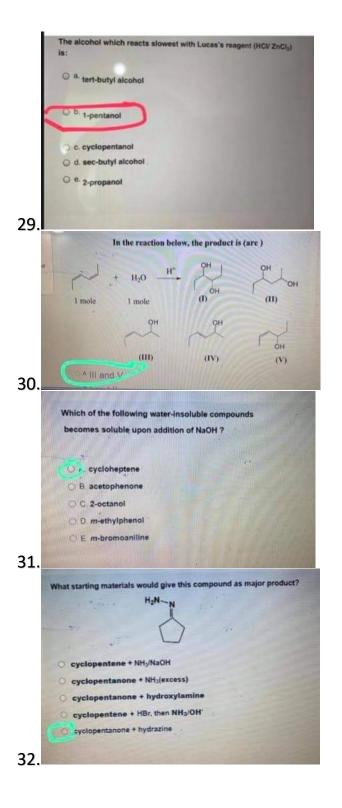
CI

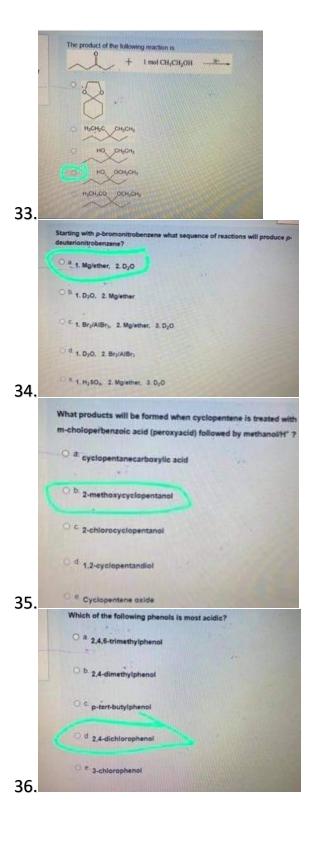
A 3-Chloro-2-methyl-1-cyclohexene

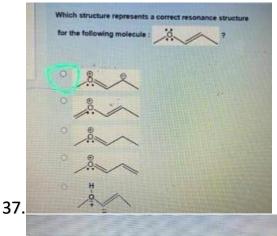
B 1-Chloro-2-methylcyclohexene

Chloro-1-methylcyclohexene

D 3-Chloro-2-methylcyclohexene







Which of the following compounds is never chiral?

- O A 1-cyclopropyl-2-fluoro-butane
- O B. 2, 3-dicyclopropylbutane
- O C butane-1, 2-diol
- O D. 1, 4-diiodobutane
- O E 1, 3-diflourobutane

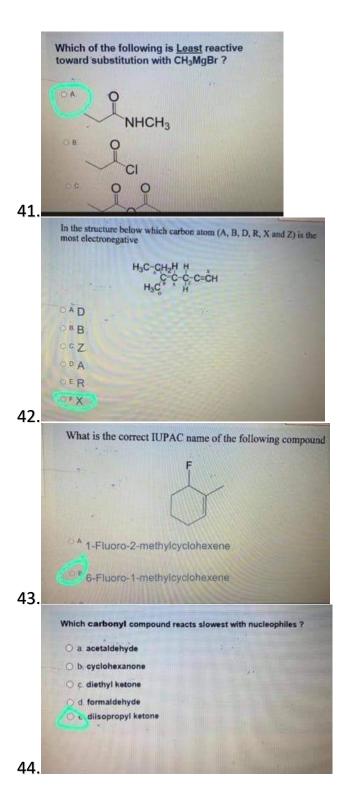
38.

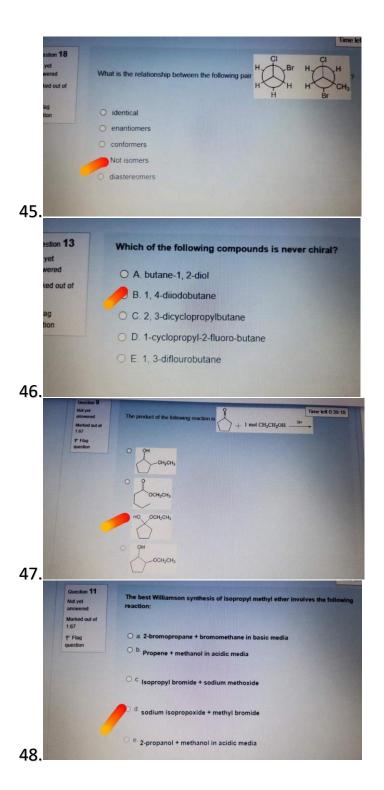
The product(s) in the following reaction is(are)

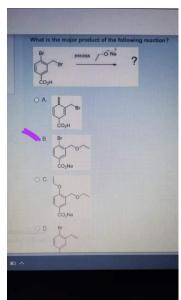
39. All and III

The best Williamson synthesis of sec-butyl methyl ether involves the following reaction:

- O a 2-bromobutane + bromomethane in basic media
- o b sodium sec-butoxide + methyl bromide
- 2-butanol + methanol in acidic media
- d 1-butene + methanol in acidic media
- 0 2-bromobutane + sodium methoxide







Which reaction sequence converts benzene into m-bromochlorobenzene?

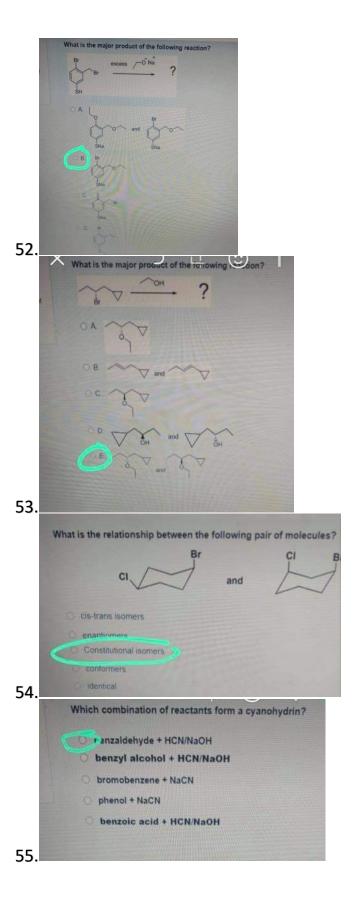
a 1)HBr₂/FeBr₃, 2)HCl/Cu₂Cl₂(0°C)

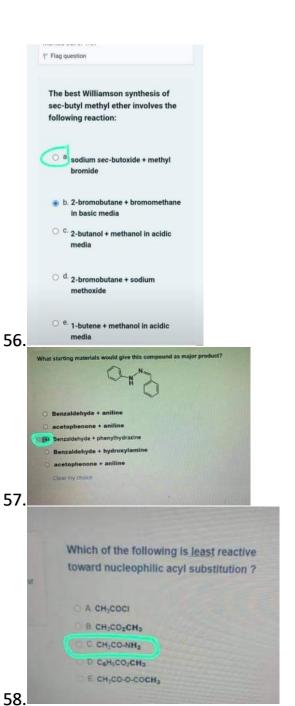
b 1)Br₂/FeBr₃, 2)HCl/Cu₂Cl₂(0°C)

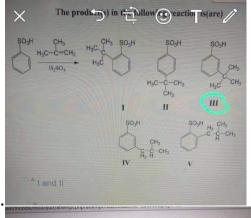
c 1)HNO₃/H₂SO₄, 2)Br₂/FeBr₃, 3)SnCl₂/HCl , 4)NaNO₂/HCl/Cu₂Cl₂(0°C)

d 1)Cl₂/FeCl₃, 2)SnBr₂/HBr, 3)NaNO₂/HBr/Cu₂Br₂(0°C)

e 1)Br₂/FeBr₃, 2)HNO₃/H₂SO₄, 3)SnCl₂/HCl , 4)NaNO₂/HCl/Cu₂Cl₂(0°C)







Ouestion 28
Not yet answered Marked out of 1.67
T F Flag question

O A ONHCH3

O CI
O C. OH

دعواتكم

كل الشكر للجميلة سناء جعفر على حل هذه الإسئلة