

← Final Exam Chem237 (page...
lmssb1.mutah.edu.jo



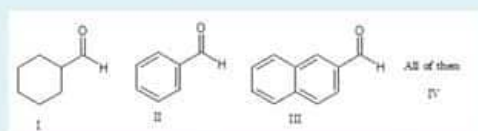
Question 20

Answer saved

Marked out of 1.00

🚩 Flag question

Which of the following
used as a suffix of
carbaldehyde in naming?



Select one:

- ☒ I
- ☐ II
- ☐ III
- ☐ All
- ☐ I and II

[Clear my choice](#)

Previous page

Next page

← Final Exam Chem237 (page...

lmssb1.mutah.edu.jo



Flag question

In S_N2 reactions

Select one:

- ☐ The rate of reaction depends only on the concentration of alkylhalide
- ☐ The rate of reaction depends on both the concentration of alkylhalide and the electrophile
- ☒ The rate of reaction depends only on the concentration of nucleophile
- ☐ The rate of reaction depends on both the concentration of alkylhalide and the nucleophile

Clear my choice

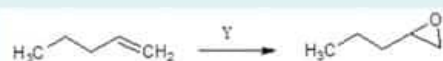


Answer saved

Marked out of 1.00

Flag question

The reagent (Y) that could convert alkene to epoxide is:



Select one:

- ☒ *m*-CPBA
- ☐ O₂
- ☐ KMnO₄
- ☐ AgNO₃

[Clear my choice](#)

Previous page

Next page



Final Exam Chem237 (page...

lmssb1.mutah.edu.jo

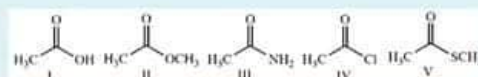


Answer saved

Marked out of 1.00

Flag question

Which of the following compounds undergoes hydrolysis at the fastest rate upon reaction with sodium hydroxide in water?



Select one:

- ☒ I
- ☐ II
- ☐ III
- ☐ IV
- ☐ V

[Clear my choice](#)

Previous page

Next page



كيمياء عضويه

Question **12**

Answer saved

Marked out of 1.00

🚩 Flag question

The strongest acidic compound of the following is:

Select one:

- ☐ phenol.
- ☐ *p*-methylphenol
- ☒ *p*-nitrophenol
- ☐ *p*-bromophenol

[Clear my choice](#)



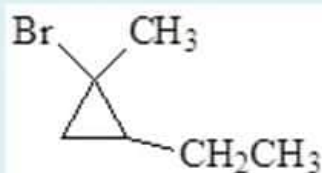


Question 10

Answer saved

Marked out of 1.00

Flag question

A correct IUPAC name for

Select one:

- ☐ 2-bromo-1-ethyl-2-methylcyclopropane
- ☐ 1-bromo-1-ethyl-2-methylcyclopropane
- ☐ 1-bromo-3-ethyl-1-methylcyclopropane
- ☒ 1-bromo-2-ethyl-1-methylcyclopropane

[Clear my choice](#)

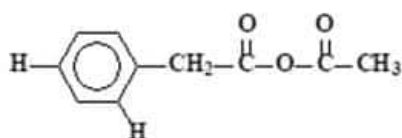
← Final Exam Chem237 (page...
lmssb1.mutah.edu.jo



Marked out of 1.00

🚩 Flag question

**The following compound
can be considered as:**



Select one:

- ☐ ester
- ☐ anhydride
- ☒ aldehyde
- ☐ ketone

[Clear my choice](#)

Previous page

Next page

← Final Exam Chem237 (page...
lmssb1.mutah.edu.jo



Marked out of 1.00

🚩 Flag question

The rate-determining step in the following reaction is:



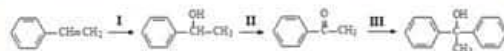
Select one:

- ☐ protonation of the alcohol.
- ☐ ionization of the alcohol to give a carbocation
- ☐ loss of water from the protonated alcohol to give a carbocation
- ☐ capture of a carbocation by bromide ion
- ☒ displacement of water from the protonated alcohol by bromide ion

Final Exam Chem237 (page...

lmssb1.mutah.edu.jo

represented by the letters I-III in the following Scheme:



Select one:

- ☐ I = $\text{H}_2\text{O}/\text{H}^+$; II = CrO_3/HCl ; III = phenylmagnesiumbromide then H_2O
- ☐ I = $\text{H}_2\text{O}/\text{H}^+$; II = Li/NH_3 ; III = phenylmagnesiumbromide then H_2O
- ☒ I = $\text{H}_2\text{O}/\text{H}^+$; II = NaBH_4 then H^+ ; III = phenylmagnesiumbromide then H_2O
- ☐ I = BH_3 then H_2O_2 , NaOH ; II = CrO_3/HCl ; III = phenylmagnesiumbromide then H_2O

المزيد

Clear my choice

تعديل



كيمياء عضويه

Question 3

Answer saved

Marked out of 1.00

Flag question

Ethers oxidized smoothly by the presence of oxygen and light to give:

Select one:

- ☒ peroxides
- ☐ aldehydes
- ☐ Epoxides
- ☐ carboxylic acids

[Clear my choice](#)

المزيد

تعديل

Which of the following is an incorrect representation of relative nucleophile strength?

Select one:

- ☐ $\text{NH}_2^- > \text{F}^-$
- ☒ $\text{HO}^- > \text{HS}^-$
- ☐ $\text{CH}_3\text{O}^- > \text{CH}_3\text{OH}$
- ☐ $\text{CH}_3^- > \text{HO}^-$
- ☐ $\text{I}^- > \text{Br}^-$

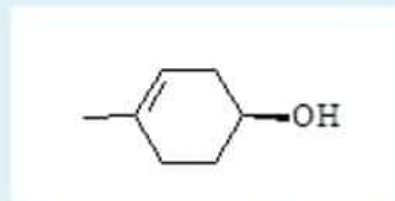
[Clear my choice](#)



Marked out of 1.00

🚩 Flag question

What is the correct name for the following compound?



Select one:

- ☐ (R)-4-methyl-4-cyclohexen-1-ol
- ☐ (S)-1-methyl-2-cyclohexen-4-ol
- ☒ (R)-1-methyl-1-cyclohexen-4-ol
- ☐ (S)-4-methyl-3-cyclohexen-1-ol

[Clear my choice](#)

المزيد

تعديل





Question 45

Not yet answered

Marked out of 1.00

Flag question

In S_N2 reactions

Select one:

- ☐ The rate of reaction depends only on the concentration of alkylhalide
- ☐ The rate of reaction depends on both the concentration of alkylhalide and the electrophile
- ☐ The rate of reaction depends only on the concentration of nucleophile
- ☐ The rate of reaction depends on both the concentration of alkylhalide and the nucleophile

Previous page

Next page

المزيد

تعديل

Question **42**

Not yet answered

Marked out of 1.00

Flag question

What is the major product of the following reaction?



Select one.

- ☒ ether
- ☐ alkane
- ☐ alkene
- ☐ alcohol

Previous page

Next page

المزيد

تعديل



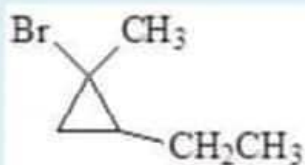
Question 8

Not yet answered

Marked out of 1.00

Flag question

A correct IUPAC name for



Select one:

- ☐ 2-bromo-1-ethyl-2-methylcyclopropane
- ☐ 1-bromo-1-ethyl-2-methylcyclopropane
- ☐ 1-bromo-3-ethyl-1-methylcyclopropane
- ☒ 1-bromo-2-ethyl-1-methylcyclopropane



Previous page

Next page



المزيد

تعديل





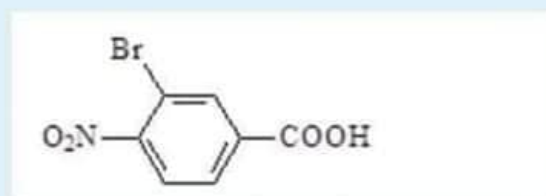
Question **50**

Not yet answered

Marked out of 1.00

Flag question

The correct name for the following compound is:



Select one:

- ☐ 2-bromo-4-carboxynitrobenzene
- ☐ 4-nitro-3-bromobenzoic acid
- ☒ 3-bromo-4-nitrobenzoic acid
- ☐ 4-nitro-5-bromobenzoic acid

Previous page

Next page

المزيد

تعديل



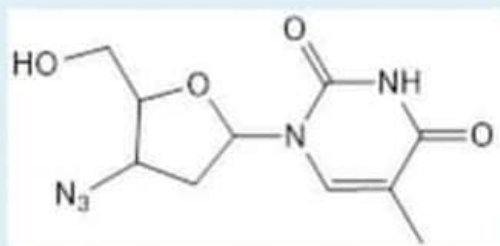
Question 33

Not yet answered

Marked out of 1.00

Flag question

The compound shown below is AZT, a drug used in the treatment of acquired immune deficiency syndrome (AIDS). What is the total number of hydrogen atoms for this compound?



Select one:

☐ 9☒ 13☐ 10☐ 11☐ 12

المزيد

تعديل



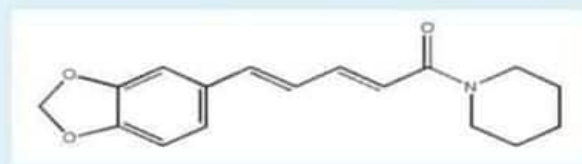
Question 53

Not yet answered

Marked out of 1.00

Flag question

Piperine, a major component of black pepper, is shown below. To what class of carboxylic acid derivative does piperine belong?



Select one:

- ☐ ester
- ☐ anhydride
- ☐ nitrile
- ☒ amide
- ☐ acyl halide



Previous page

Next page



المزيد

تعديل





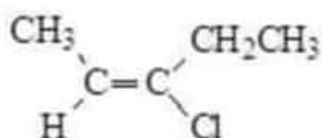
Question 23

Not yet answered

Marked out of 1.00

Flag question

The name of the molecule shown is



Select one:

- ☐ trans-3-chloro-3-pentene
- ☒ E-3-chloro-2-pentene
- ☐ cis-3-chloro-2-pentene
- ☐ monochloro-2-cis-pentene
- ☐ Z-3-chloro-3-pentene

Previous page

Next page

المزيد

تعديل



Question 46

Not yet answered

Marked out of 1.00

Flag question

Select the right conditions that form shown product



Select one:

- ☐ BF_3 then $\text{H}_2\text{O}_2/\text{OH}^-$
- ☐ H_3 then $\text{H}_2\text{O}_2/\text{OH}^-$
- ☐ H_2 then $\text{H}_2\text{O}_2/\text{OH}^-$
- ☒ BH_3 then $\text{H}_2\text{O}_2/\text{OH}^-$

Previous page

Next page



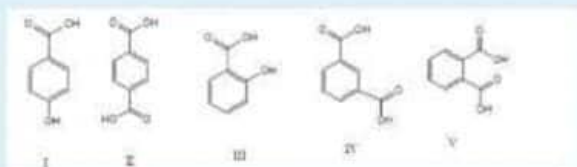
Question 59

Not yet answered

Marked out of 1.00

Flag question

Which one of the carboxylic acids below, is isophthalic acid



Select one:

☒ IV

☐ I

☐ II

☐ V

☐ III

Previous page

Next page

المزيد

تعديل



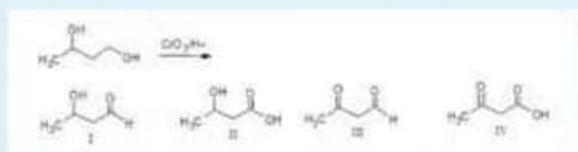
Question 28

Not yet answered

Marked out of 1.00

Flag question

What is the major product of the following reaction?



Select one:

- ☐ I
- ☐ II
- ☒ III
- ☐ IV
- ☐ I and IV

Previous page

Next page



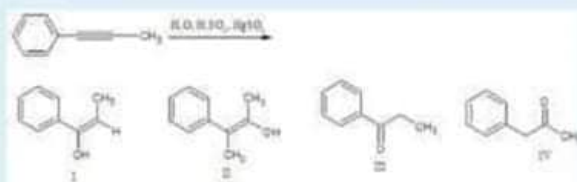
Question 45

Not yet answered

Marked out of 1.00

Flag question

The final product(s) of the following reaction is:



Select one:

- ☒ III + IV
- ☐ I+II
- ☐ I+III
- ☐ II + IV

Previous page

Next page



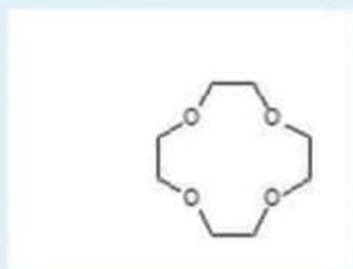
Question **37**

Not yet answered

Marked out of 1.00

Flag question

The name of the following compound is:



Select one:

- ☐ 12-[4]crown
- ☐ 4-crown-12
- ☐ 8-crown-4
- ☒ 12-crown-4

Previous page

Next page

المزيد

تعديل



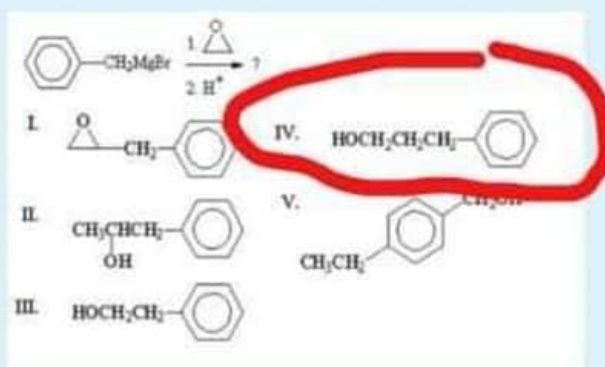
Question 27

Not yet answered

Marked out of 2.00

Flag question

What is the product of the following reaction?



Select one:

☐ I☐ II☐ III☒ IV☐ V

المزيد

تعديل



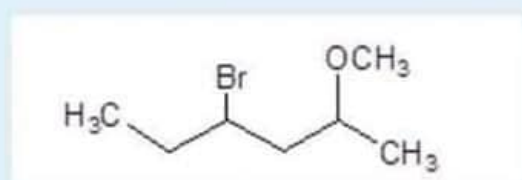
Question 9

Not yet answered

Marked out of 1.00

Flag question

The name of the following compound is:



Select one.

- ☒ 4-bromo-2-methoxyhexane
- ☐ 3-bromo-2-methoxy-2-methylpentane
- ☐ 3-bromo-5-methoxyhexane
- ☐ 2-methoxy-4-bromohexane

Previous page

Next page

المزيد

تعديل



Question **65**

Not yet answered

Marked out of 1.00

Flag question

Which of the following is the best description for the C=N bond?

Select one:

- ☐ The two bonds result from $sp^3(C)-sp^2(N)$ overlap
- ☒ One bond is from $sp^2(C)-sp^2(N)$ and the other from 2p-orbitals overlapping
- ☐ The two bonds result from $sp^2(C)-sp^2(N)$ overlap
- ☐ The two bonds are of same property

Previous page

Next page



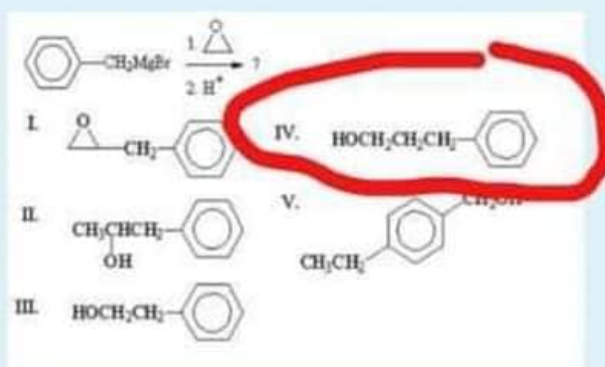
Question 27

Not yet answered

Marked out of 2.00

Flag question

What is the product of the following reaction?



Select one:

☐ I☐ II☐ III☒ IV☐ V

المزيد

تعديل



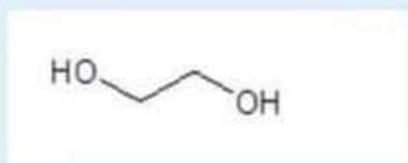
Question **34**

Not yet answered

Marked out of 1.00

Flag question

The common name of the following compound is:



Select one.

- ☒ ethylene glycol
- ☐ Glycerol
- ☐ 1,2-ethanediol
- ☐ 1,2-dihydroxyethane

Previous page

Next page

المزيد

تعديل



Question **66**

Not yet answered

Marked out of 1.00

Flag question

If a solution of a compound (30.0 g/100ml of a solution) has a measured rotation of $+15^\circ$ in 20 cm tube. What is the specific rotation?.

Select one:

☐ $+ 4^\circ$

☐ $+ 15^\circ$

☒ $+ 25^\circ$

☐ $+ 50^\circ$

☐ $+ 7.5^\circ$

Previous page

Next page

المزيد

تعديل



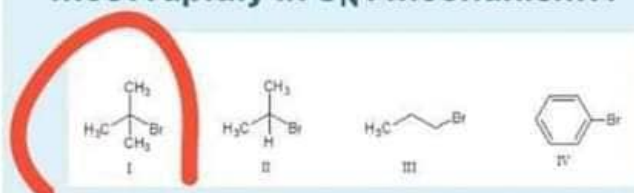
Question **31**

Not yet answered

Marked out of 1.00

Flag question

Which of the following will react most rapidly in S_N1 mechanism?.



Select one:

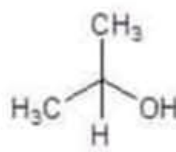
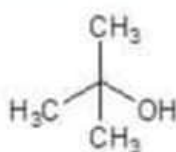
- ☒ I
☐ II
☐ III
☐ IV

Previous page

Next page



Which of the following reagents can be used to differentiate between the following compounds?



Select one:

☐ Br₂/CCl₄

☒ HCl/ZnCl₂

☐ NaBH₄

☐ NaOH

Previous page

Next page



المزيد

تعديل





Question **57**

Not yet answered

Marked out of 1.00

Flag question

What is the class of compound produced from the reaction of a ketone with hydrazine?

Select one:

- ☐ oxime
- ☐ amide
- ☒ hydrazone
- ☐ semicarbazone
- ☐ imide

Previous page

Next page

Quiz navigation

1 2 3 4 5 6 7 8 9 10

المزيد

تعديل



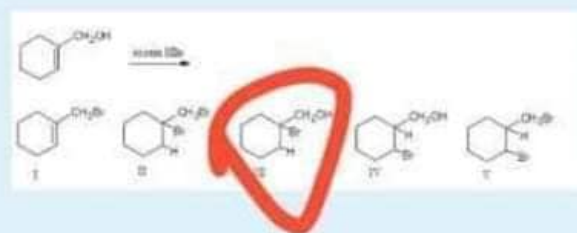
Question 55

Not yet answered

Marked out of 1.00

Flag question

What is the major product of the following reaction?



Select one:

☐ II

☐ I

☐ IV

☒ III

☐ V

Previous page

Next page

المزيد

تعديل

What is the IUPAC name for isobutyl alcohol?

Select one:

- ☐ 1-butanol
- ☐ 2-butanol
- ☐ 2-methyl-2-butanol
- ☒ 2-methyl-1-propanol
- ☐ 2,2-dimethylpropanol

[Clear my choice](#)



المزيد



تعديل



What is the IUPAC name for isobutyl alcohol?

Select one:

- ☐ 1-butanol
- ☐ 2-butanol
- ☐ 2-methyl-2-butanol
- ☒ 2-methyl-1-propanol
- ☐ 2,2-dimethylpropanol

[Clear my choice](#)



المزيد



تعديل



The carbocation intermediate is the intermediate formed in both:

Select one:

- ☐ S_N1 and E_2 reactions
- ☐ S_N1 and S_N2 reactions
- ☐ E_1 and E_2 reactions
- ☒ S_N1 and E_1 reactions
- ☐ S_N2 and E_2 reactions

[Clear my choice](#)

[Previous page](#)

[Next page](#)



المزيد



تعديل





كيمياء عضويه

16

saved

out of

move flag

In S_N2 reactions

Select one:

- ☐ The rate of reaction depends only on the concentration of alkylhalide
- ☐ The rate of reaction depends on both the concentration of alkylhalide and the electrophile
- ☒ The rate of reaction depends only on the concentration of nucleophile
- ☐ The rate of reaction depends on both the concentration of alkylhalide and the nucleophile

[Clear my choice](#)

previous page



المزيد



تعديل



18

Which of the following compounds would have the lowest boiling point?

CCCCCO I CCC(C)CO II OCC(O)CO III CCC(C)CO IV

Select one:

☒ I

☐ II

☐ III

☐ IV

[Clear my choice](#)



المزيد



تعديل



18

Which of the following compounds would have the lowest boiling point?

CCCCCO I CCCCO II OCC(O)CO III CCCCO IV

Select one:

☒ I

☐ II

☐ III

☐ IV

[Clear my choice](#)



المزيد



تعديل





The carbocation intermediate is the intermediate formed in both:

Select one:

- ☐ S_N1 and E_2 reactions
- ☐ S_N1 and S_N2 reactions
- ☒ E_1 and E_2 reactions
- ☐ S_N2 and E_1 reactions
- ☐ S_N2 and S_N1 reactions

[Clear my choice](#)

المزيد

تعديل

42

saved

d out of

g question

Which of the following is an incorrect representation of relative nucleophile strength?

Select one:

- ☐ $\text{NH}_2^- > \text{F}^-$
- ☐ $\text{HO}^- > \text{HS}^-$
- ☐ $\text{CH}_3\text{O}^- > \text{CH}_3\text{OH}$
- ☒ $\text{CH}_3^- > \text{HO}^-$
- ☐ $\text{I}^- > \text{Br}^-$

[Clear my choice](#)

vious page

What is the name of the following molecule, $(\text{CH}_3)_2\text{CHCONH}_2$?

Select one:

- ☒ 2-methylpropanamide
- ☐ 3-methylpropanamide
- ☐ butyramide
- ☐ α -methylbutyramide
- ☐ methylethanamide

[Clear my choice](#)

Dehydration of 1,2-dimethyl-1-cyclohexanol gives:

Select one:

- ☒ Two alkenes
- ☐ One alkene
- ☐ Three alkenes
- ☐ Four alkenes

[Clear my choice](#)

us page

The rate-determining step in the following reaction is:



Select one:

- ☐ protonation of the alcohol.
- ☐ ionization of the alcohol to give a carbocation
- ☒ loss of water from the protonated alcohol to give a carbocation
- ☐ capture of a carbocation by bromide ion
- ☐ displacement of water from the protonated alcohol by bromide ion

[Clear my choice](#)



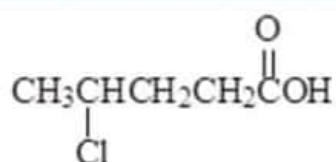
Question 40

Not yet answered

Marked out of 1.00

🚩 Flag question

What is the name for the following compound?



Select one:

- ☐ 4-Chloropentanoic acid
- ☐ 1-Chloropentanoic acid
- ☒ 2-Chloropentanoic acid
- ☐ 3-Chloropentanoic acid

[Clear my choice](#)

Previous page

Next page



6

The name of the following compound is:



Select one:

- ☒ 12-(4)crown
- ☐ 4-crown-12
- ☐ 8-crown-4
- ☐ 12-crown-4

[Clear my choice](#)



5 کیمیاء عضو

Question **63**

Not yet answered

Marked out of 1.00

Flag question

What is the common name for HCOOH ?

Select one:

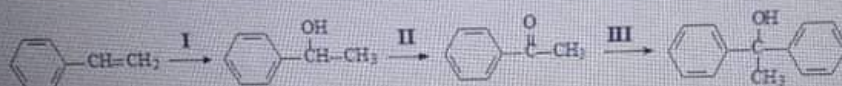
- ☐ formic acid
- ☐ acetic acid
- ☐ propionic acid
- ☐ oxalic acid
- ☒ malonic acid

Clear my choice

[Previous page](#)

Next page

Identify the reagents represented by the letters I-III in the following Scheme:



Select one:

- ☐ I = $\text{H}_2\text{O/H}^+$; II = CrO_2/HCl ; III = phenylmagnesiumbromide then H_2O
- ☒ I = $\text{H}_2\text{O/H}^+$; II = Li/NH_2 ; III = phenylmagnesiumbromide then H_2O
- ☐ I = $\text{H}_2\text{O/H}^+$; II = NaBH_4 then H^+ ; III = phenylmagnesiumbromide then H_2O
- ☐ I = BH_3 then H_2O_2 , NaOH ; II = CrO_2/HCl ; III = phenylmagnesiumbromide then H_2O

[Clear my choice](#)

The number of possible monobromination products, including cis-trans isomers, of methylcyclopentane is

Select one:

- ☒ 2
- ☐ 4
- ☐ 6
- ☐ 5
- ☐ 8

[Clear my choice](#)

page

Next page



41

out of

question

Which of the following compounds is the most reactive.



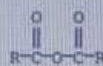
I



II



III



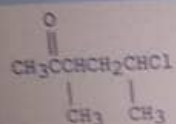
IV



V

Select one:

- ☐ I
- ☐ II
- ☒ III
- ☐ IV
- ☐ V



Select one:

- ☐ 5-Chloro-3-methylhexanone
- ☐ 1-Chloro-1,3-dimethyl-4-pentanone
- ☐ 5-Chloro-3-methyl-2-hexanone
- ☒ 5-Chloro-3,5-dimethyl-2-pentanone

[Clear my choice](#)



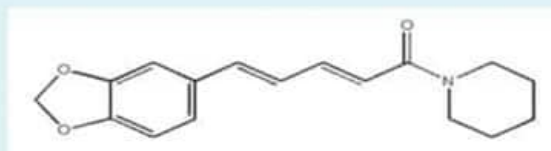
Question 38

Not yet answered

Marked out of 1.00

Flag question

Piperine, a major component of black pepper, is shown below. To what class of carboxylic acid derivative does piperine belong?



Select one:

- ☒ ester
- ☐ anhydride
- ☐ nitrile
- ☐ amide
- ☐ acyl halide

[Clear my choice](#)

Previous page

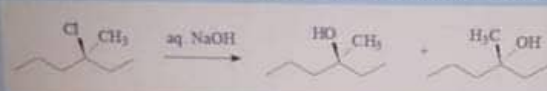
Next page

المزيد



تعديل

If the reaction rate of the following reaction is x , doubling the concentration of NaOH would give what rate?



Select one:

- ☒ no change in reaction rate
- ☐ $x/2$
- ☐ x^2
- ☐ $x^2/2$
- ☐ $2x$

Clear my choice

Previous page

Next page

Ethers oxidized smoothly by the presence of oxygen and light to give:

Select one:

- ☒ peroxides
- ☐ aldehydes
- ☐ Epoxides
- ☐ carboxylic acids

[Clear my choice](#)



كيمياء عضويه

45

saved

d out of

move flag

Which of the following is the best description for the C=N bond?

Select one:

- ☐ The two bonds result from $sp^3(C)-sp^2(N)$ overlap
- ☒ One bond is from $sp^2(C)-sp^2(N)$ and the other from 2p-orbitals overlapping
- ☐ The two bonds result from $sp^2(C)-sp^2(N)$ overlap
- ☐ The two bonds are of same property

[Clear my choice](#)

[Previous page](#)



المزيد



تعديل



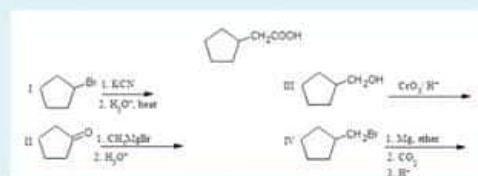


Answer saved

Marked out of 1.00

Flag question

The best method to
prepare the following



Select one:

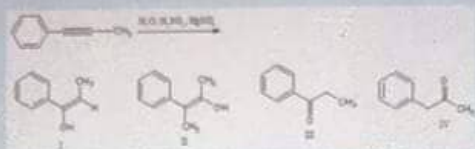
- ☐ I
- ☐ II
- ☐ III
- ☒ IV

[Clear my choice](#)

Previous page

Next page

The final product(s) of the following reaction is:



Select one:

- ☐ III + IV
- ☒ I+II
- ☐ I+III
- ☐ II + IV

[Clear my choice](#)

Previous page

Next page

Quiz navigation

Question **52**

Not yet answered

Marked out of 1.00

🚩 Flag question

What is the major product of the following reaction?



Select one:

- ☒ ether
- ☐ alkane
- ☐ alkene
- ☐ alcohol

[Clear my choice](#)

← Final Exam Chem237 (page...

lmssb1.mutah.edu.jo



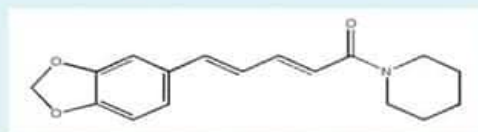
Question 48

Answer saved

Marked out of 1.00

🚩 Flag question

Piperine, a major component of black pepper, is shown below. To what class of carboxylic acid derivative does piperine belong?



Select one:

- ☐ ester
- ☒ anhydride
- ☐ nitrile
- ☐ amide
- ☐ acyl halide

[Clear my choice](#)



Answer saved

Marked out of 1.00

Flag question

The common name of the following compound is:



Select one:

- ☒ ethylene glycol
- ☐ Glycerol
- ☐ 1,2-ethanediol
- ☐ 1,2-dihydroxyethane

[Clear my choice](#)

Previous page

Next page





Final Exam Chem237 (page...

lmssb1.mutah.edu.jo



Question 34

Answer saved

Marked out of 1.00

Flag question

When cyclohexene is treated with peroxyacetic acid, the product that forms is:

Select one:

- ☐ cyclohexanediol
- ☒ 1,2-cyclohexanediol
- ☐ hexanol
- ☐ cyclohexene oxide
- ☐ dicyclohexyl ether

[Clear my choice](#)

Previous page

Next page



← Final Exam Chem237 (page...
lmssb1.mutah.edu.jo



Question 41

Answer saved

Marked out of 1.00

🚩 Flag question

The number of possible monobromination products, including cis-trans isomers, of methylcyclopentane is

Select one:

- ☒ 2
☐ 4
☐ 6
☐ 5
☐ 8

[Clear my choice](#)

Previous page

Next page

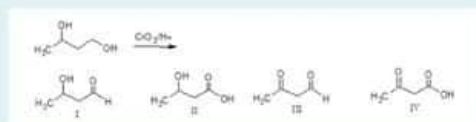
Question **47**

Answer saved

Marked out of 1.00

Flag question

What is the major product of the following reaction?



Select one:

- ☐ I
- ☒ II
- ☐ III
- ☐ IV
- ☐ I and IV

[Clear my choice](#)

Previous page

Next page

Final Exam Chem237 (page...

lmssb1.

Sajeda: اعتقد الاخيرة d




Answer saved

Marked out of 1.00

Flag question

Which of the following pairs are resonance structures?

- I. $\text{CH}_2=\text{CHCH}_3$ and 
- II. $\text{CH}_2=\text{C}(\text{OH})-\text{H}$ and $\text{CH}_3-\text{C}(\text{OH})=\text{H}$
- III. $\text{CH}_3-\text{C}(\text{OH})=\text{H}$ and $\text{CH}_3-\text{C}^+(\text{OH})-\text{H}$
- IV. $\text{CH}_3-\text{C}(\text{OH})=\text{H}$ and $\text{CH}_3-\text{C}^-(\text{OH})-\text{H}$
- V. $\text{CH}_3-\text{O}^--\text{CH}_3$ and $\text{CH}_3\text{CH}_2\text{OH}$

Select one:

- ☐ I
- ☐ II
- ☒ III
- ☐ IV
- ☐ V

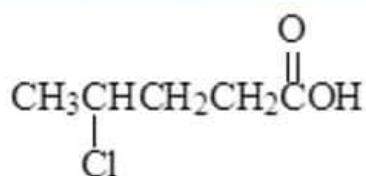
Clear my choice



Marked out of 1.00

Flag question

What is the name for the following compound?



Select one:

- ☒ 4-Chloropentanoic acid
- ☐ 1-Chloropentanoic acid
- ☐ 2-Chloropentanoic acid
- ☐ 3-Chloropentanoic acid

[Clear my choice](#)

Final Exam Chem237 (page...

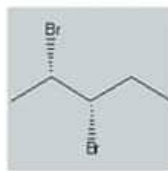
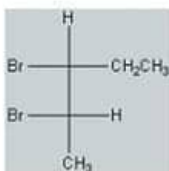
lmssb1.mutah.edu.jo



Marked out of 1.00

Flag question

What is the stereochemical relationship between the following two molecules?.



Select one:

- ☐ Diastereoisomers
- ☐ Identical
- ☐ None of these
- ☒ Enantiomers

[Clear my choice](#)

Previous page

Next page

← Final Exam Chem237 (page...
lmssb1.mutah.edu.jo



Marked out of 1.00

🚩 Flag question

Phenols are stronger than alcohols as acids because of

Select one:

- ☐ resonance stabilization of phenoxide ions.
- ☐ resonance stabilization of phenols.
- ☐ resonance stabilization of alkoxide ions.
- ☐ resonance stabilization of alcohols.
- ☒ hydrogen bonding in phenols.

[Clear my choice](#)



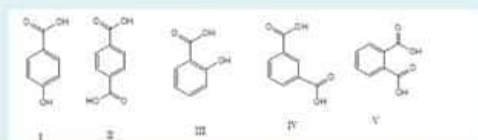
Question **45**

Answer saved

Marked out of 1.00

🚩 Flag question

Which one of the carboxylic acids below, is isophthalic acid



Select one:

- ☒ IV
- ☐ I
- ☐ II
- ☐ V
- ☐ III

[Clear my choice](#)

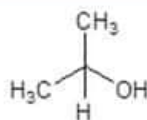
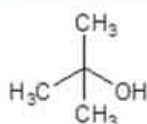




Marked out of 1.00

Flag question

Which of the following reagents can be used to differentiate between the following compounds?



Select one:

- ☒ Br₂/CCl₄
- ☐ HCl/ZnCl₂
- ☐ NaBH₄
- ☐ NaOH

[Clear my choice](#)

← Final Exam Chem237 (page...
lmssb1.mutah.edu.jo



Answer saved

Marked out of 1.00

🚩 Flag question

Lactones are common names for :

Select one:

- ☒ cyclic esters
- ☐ cyclic amides
- ☐ cyclic ethers
- ☐ polyaromatic compounds

[Clear my choice](#)

Previous page

Next page

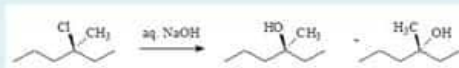
← Final Exam Chem237 (page...
lmssb1.mutah.edu.jo



Marked out of 2.00

🚩 Flag question

If the reaction rate of the following reaction is x , doubling the concentration of NaOH would give what rate?



Select one:

- ☒ no change in reaction rate
- ☐ $x/2$
- ☐ x^2
- ☐ $x^2/2$
- ☐ $2x$

[Clear my choice](#)

Previous page

Next page

← Final Exam Chem237 (page...

lmssb1.mutah.edu.jo



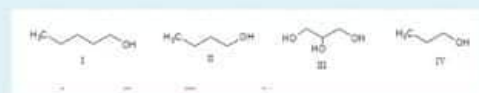
Question 4

Answer saved

Marked out of 1.00

🚩 Flag question

Which of the following compounds would have the lowest boiling point?



Select one:

- ☐ I
- ☐ II
- ☐ III
- ☒ IV

[Clear my choice](#)

Previous page

Next page



بيياء عصىه

Question **18**

Answer saved

Marked out of 1.00

🚩 Flag question

Acid chlorides react with alcohols to give:

Select one:

- ☒ esters
- ☐ ketones
- ☐ acetals
- ☐ amides
- ☐ acids

[Clear my choice](#)

Previous page

Next page



بيماء عصويه

Question 9

Answer saved

Marked out of 1.00

🚩 Flag question

What is the IUPAC name for isobutyl alcohol?

Select one:

- ☐ 1-butanol
- ☐ 2-butanol
- ☐ 2-methyl-2-butanol
- ☒ 2-methyl-1-propanol
- ☐ 2,2-dimethylpropanol

[Clear my choice](#)

Previous page

Next page

← Final Exam Chem237 (page...
lmssb1.mutah.edu.jo

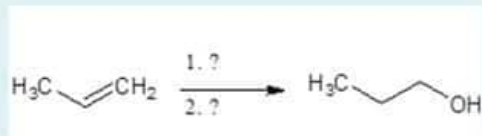


Answer saved

Marked out of 1.00

🚩 Flag question

Select the right conditions that form shown product



Select one:

- ☐ BF₃ then H₂O₂/⁻OH
- ☐ H₃ then H₂O₂/⁻OH
- ☐ H₂ then H₂O₂/⁻OH
- ☒ BH₃ then H₂O₂/⁻OH

[Clear my choice](#)

Previous page

Next page

← Final Exam Chem237 (page...
lmssb1.mutah.edu.jo



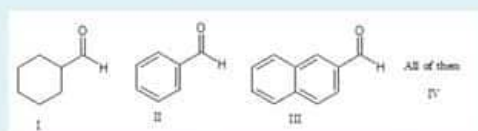
Question 20

Answer saved

Marked out of 1.00

🚩 Flag question

Which of the following
used as a suffix of
carbaldehyde in naming?



Select one:

- ☒ I
- ☐ II
- ☐ III
- ☐ All
- ☐ I and II

[Clear my choice](#)

Previous page

Next page

Question **22**

Answer saved

Marked out of 1.00

Flag question

The carbocation intermediate is the intermediate formed in both:

Select one:

- ☐ S_N1 and E_2 reactions
- ☐ S_N1 and S_N2 reactions
- ☐ E_1 and E_2 reactions
- ☐ S_N1 and E_1 reactions
- ☒ S_N2 and E_2 reactions

[Clear my choice](#)

Previous page

Next page





كيمياء عضويه

Question **19**

Answer saved

Marked out of 1.00

🚩 Flag question

What is the common name for HCOOH ?

Select one:

- ☒ formic acid
- ☐ acetic acid
- ☐ propionic acid
- ☐ oxalic acid
- ☐ malonic acid

[Clear my choice](#)

Previous page

Next page

Final Exam Chem237 (page...

lmssb1.mutah.edu.jo



Flag question

In S_N2 reactions

Select one:

- ☐ The rate of reaction depends only on the concentration of alkylhalide
- ☐ The rate of reaction depends on both the concentration of alkylhalide and the electrophile
- ☒ The rate of reaction depends only on the concentration of nucleophile
- ☐ The rate of reaction depends on both the concentration of alkylhalide and the nucleophile

Clear my choice