

Organic past papers (رَوَح)

Dr. Sulhi exam

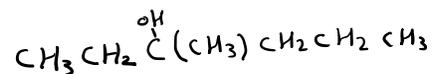
Done by :



1- which of the following molecules have the highest boiling point ?

- a-) CH₃CH₂OH
- b-) CH₃OCH₃
- c-) CH₃CH₂Cl
- d-) CH₃CH₂CH₃
- e-) CH₃CH₂I

2- when (R)-3-bromo-3-methylhexane is treated with H₂O , racemic is produced by what mechanism does this reaction occur ?



- a-) SN1
- b-) SN2
- c-) E1
- d-) E2
- e-) can't explained by one mechanism

Answer: A

3- which of the following molecules no dipole moment ?

- a-) CO₂
- b-) NH₃
- c-) H₂O
- d-) all of the above
- e-) none of the answer

4- A sample of ammonia has a mass of 56.6 g, How many molecules are in this sample, (MM of ammonia = 17 g/ mol)

- a-) 1.78*10⁽²⁴⁾ molecules
- b-) 2.00*10⁽²⁴⁾ molecules
- c-) 17.03*10⁽²⁴⁾ molecules
- d-) 6.78*10⁽²³⁾ molecules
- e-) 3.32 molecules

Answer: B

5- which bromide reacts fastest in SN2 reactions ?

- a-) CH₃Br
- b-) (CH₃)₂CHBr
- c-) (CH₃)₃CBr
- d-) (CH₃)₃CCCH₂Br
- e-) CH₃CH₂Br

Answer: A



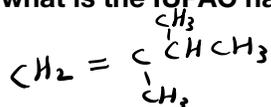
6- what is the IUPAC name for isobutyl alcohol ?

- a-) 2-methyl-2-butanol
- b-) 2,2-dimethylpropanol
- c-) 1-butanol
- d-) 2-methyl-1-propanol
- e-) 2-butanol

Answer: D

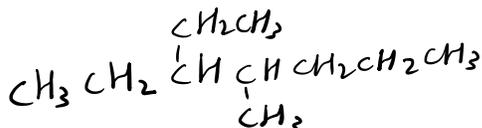
Dr Hamzeh alomari :

1- what is the IUPAC name for the following ?

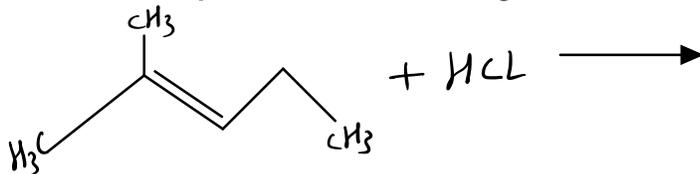


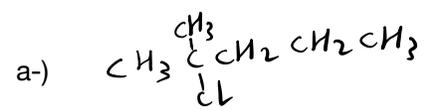
2- if the PH is 3.35 what is the concentration of OH- ?

3- what is the name of the following compound?



4-what is the product of the following?





5- what change will be caused by addition of a small amount of HCL to a solution of 0.5 M NaF and 0.45 M HF, { $K_a(\text{HF}) = 3.2 \cdot 10^{-4}$ }

6- what is the IUPAC name for the following?

