

Organic

PAST PAPER

(MAKE UP 019)

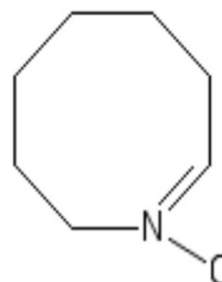
DONE BY

SHAHED ATIYAT

LUGAIN RAMZI

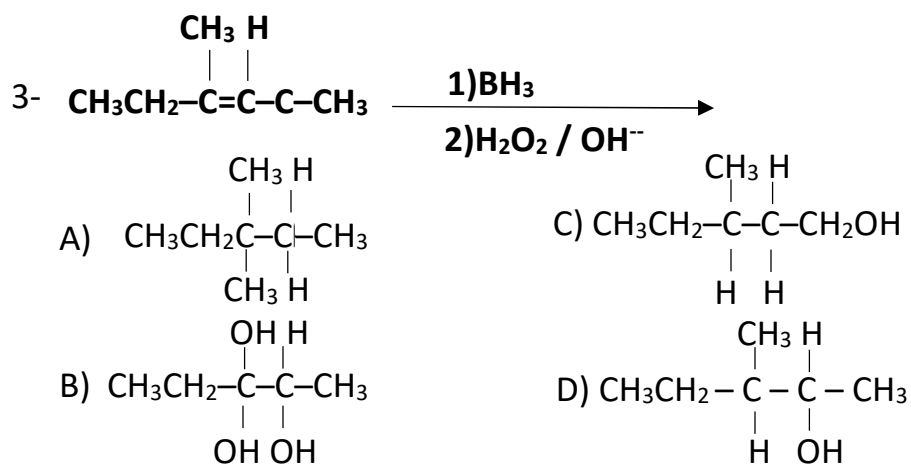
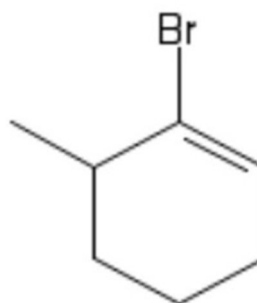
1- The formal charge on the nitrogen in the following compound is (the atomic number of N is 7)?

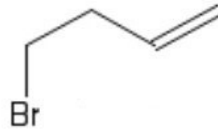
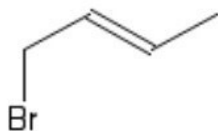
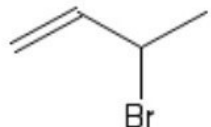
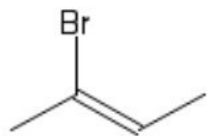
- A) zero
- B) +1
- C) -1
- D) -2



2- The correct IUPAC name for the following molecule is:

- A) 1-bromo-2methylcyclohexene
- B) 2-bromo-3-methylcyclohexene
- C) 1-bromo-6-methylcyclohexene
- D) Non above





(1)

(2)

(3)

(4)

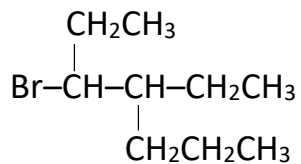
- A) 1
- B) 2
- C) 3
- D) 4
- E) 2 AND 3

5- What is the maximum number of constitutional isomers for $\text{C}_3\text{H}_6\text{BrF}$?

- A) 3
- B) 5
- C) 6
- D) 4
- E) 2

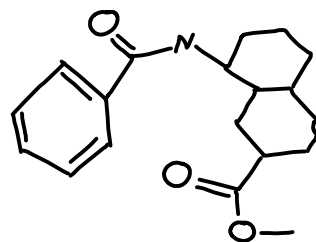
6- The name for the following molecule is?

- A) 3-bromo-4-propylhexane
- B) 4-bromo-3-propylhexane
- C) 3-bromo-4-ethylheptane
- D) 5-bromo-4-ethylheptane
- E) 1-Bromo-1-ethyl-2-propylbutane



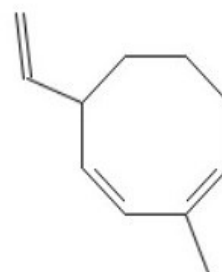
7- Which functional group is not present in the following compound?

- A) Amide
- B) Ester
- C) Ether
- D) Carboxylic acid

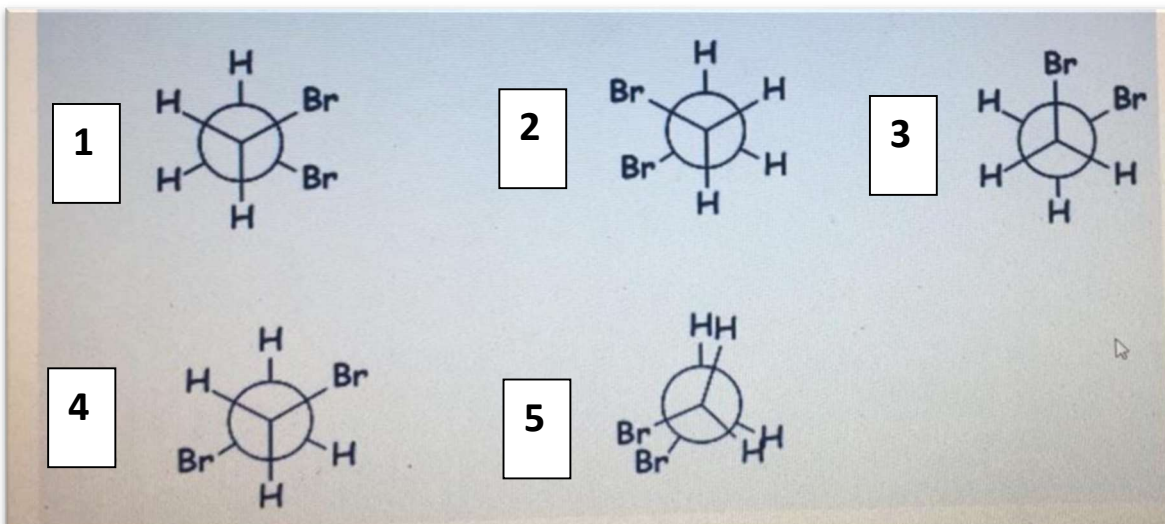


8- What is the number of sp^3 hybridized carbon(s) in the following compound?

- A) 5
- B) 6
- C) 4
- D) 7



9- The most stable conformation of 1,2-dibromoethane is is:



- A) 1 AND 2
- B) 3
- C) 4
- D) 5

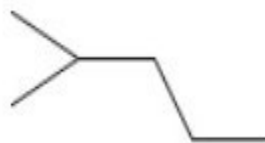
10- Which of the following reactions is a termination step in the radical chlorination of methane?

- 1) $\cdot\text{Cl} + \text{CH}_3 - \text{Cl} \longrightarrow \text{CH}_3 + \text{Cl} - \text{Cl}$
- 2) $\text{CH}_3 + \cdot\text{CH}_3 \longrightarrow \text{CH}_3 - \text{CH}_3$
- 3) $\cdot\text{CH}_3 + \text{Cl} - \text{Cl} \longrightarrow \text{CH}_3 - \text{Cl} + \text{Cl}\cdot$
- 4) $\text{Cl} - \text{Cl} \xrightarrow[\text{Uv-light}]{\text{Or heat}} 2\text{Cl}\cdot$
- 5) $\text{Cl} + \text{CH}_3 - \text{Cl} \longrightarrow \text{CH}_2\text{Cl} + \text{H} - \text{Cl}$

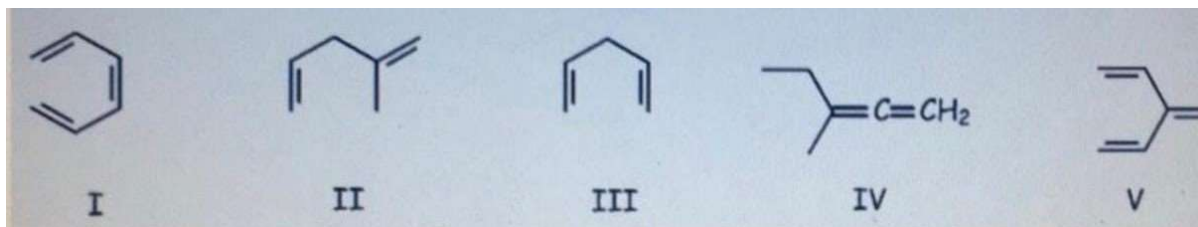
- A) 1
- B) 2
- C) 3
- D) 4
- E) 5

11- How many monochloro structure isomers can be obtained from the chlorination the following compound?

- A) 3
- B) 4
- C) 5
- D) 6



12- which compound(s) conjugated multiple bonds:



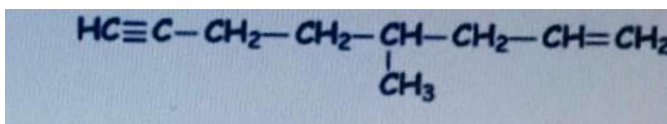
- A) II only
- B) I only
- C) II AND III
- D) IV only
- E) I and V

13- Which of the following compound can exist as cis-trans isomers?

- A) 2-pentene
- B) 1-pentene
- C) 3-methyl-1-pentene
- D) 2-methyl-2-pentene
- E) 1-hexene

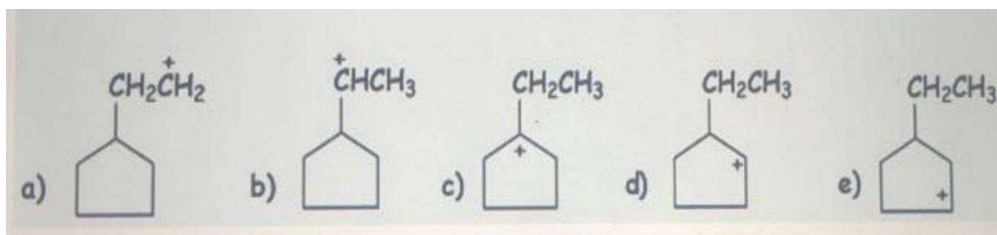
14- The correct IUPAC name for the following molecule is?

- A) 4-methyl-1,7-ene-yne-octane
- B) 5-methyl-7-octen-1-yne
- C) 4-methyl-1-octyn-7-ene
- D) 5-methyl-1-octen-7-yne
- E) 4-methyl-1-octen-7-yne



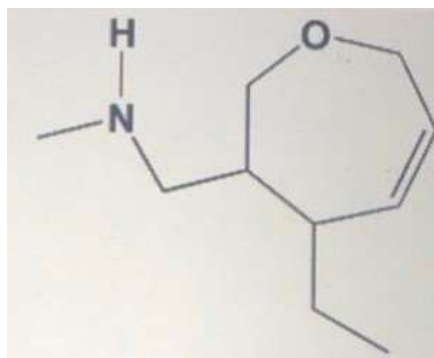
15- Which of the following is the most stable carbocation?

- A) A
- B) B
- C) C
- D) D
- E) E



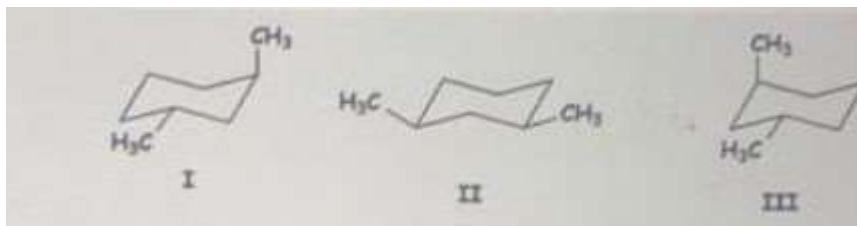
16- The molecular formula for the following compound is?

- A) $\text{C}_9\text{H}_{19}\text{NO}$
- B) $\text{C}_{10}\text{H}_{17}\text{NO}$
- C) $\text{C}_{10}\text{H}_{21}\text{NO}$
- D) $\text{C}_{10}\text{H}_{19}\text{NO}$
- E) $\text{C}_{10}\text{H}_{16}\text{NO}$

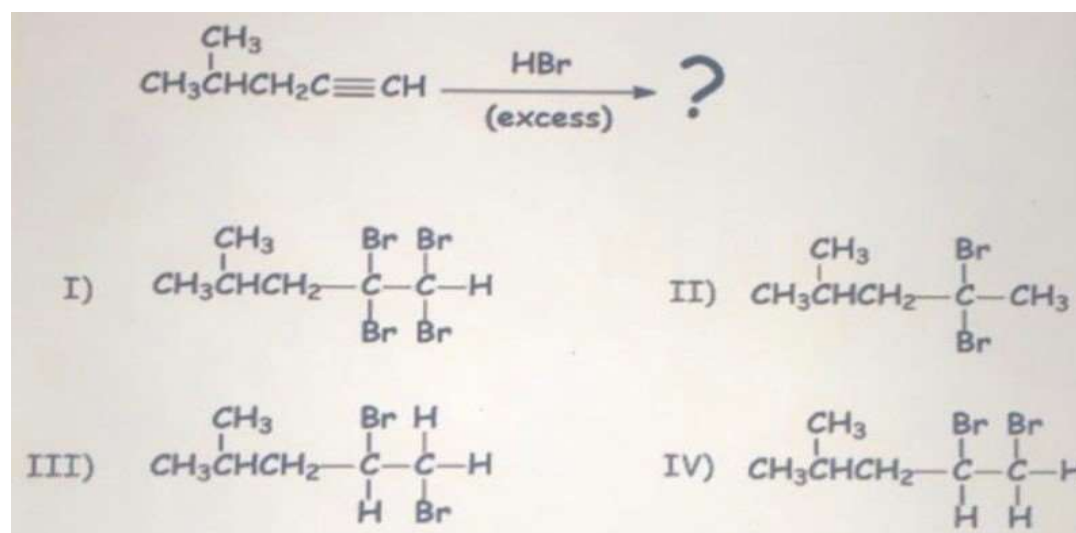


17- cis -1,3-dimethylcyclohexane is represented by structure(s)?

- A) I ONLY
- B) II AND III
- C) III ONLY
- D) II ONLY
- E) I AND III

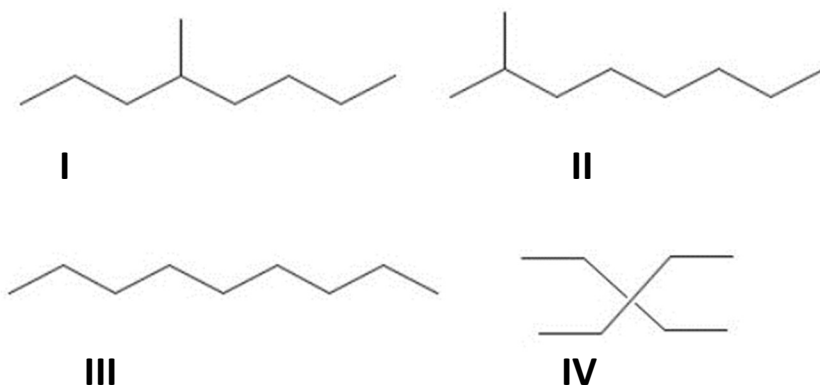


18- What is the product of the following reaction?



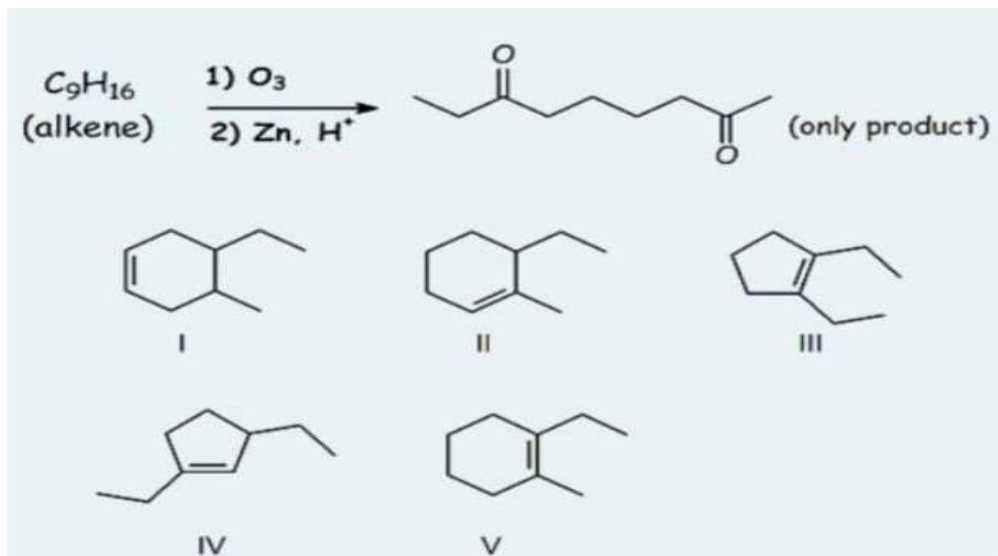
- A) I
- B) II
- C) III
- D) IV
- E) II AND IV

19- Which of the following alkanes has the lowest boiling point?



- A) I
- B) II
- C) III
- D) IV

20- What is the structure of alkene in the following equation?



- A) III
- B) IV
- C) II
- D) V
- E) I

ANSWERS

1	2	3	4	5	6	7	8	9	10
B	C	D	E	B	C	D	A	C	B

11	12	13	14	15	16	17	18	19	20
C	E	A	E	C	D	D	B	D	D

THANK YOU 😊