

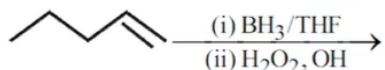
Lakshya NEET (2025)

Organic Chemistry

Alcohols, Phenols and Ethers

DPP: 2

Q1 The product of the following reaction is



- (A) 2-pentanol (B) pentane
(C) pentan-2-one (D) 1-pentanol

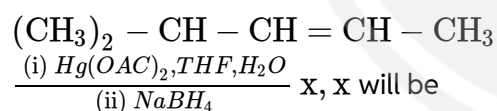
Q2 The reaction of ethylmagnesium iodide with acetaldehyde gives after acidification

- (A) 2-Butanol
(B) 1-Butanol
(C) 2-Methyl-2-propanol
(D) 2-Methylpropanol

Q3 To prepare 2-propanol from methyl magnesium bromide, the other chemical required is

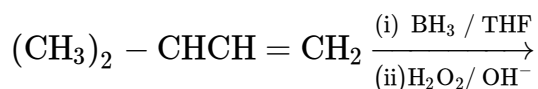
- (A) HCHO
(B) CH₃CHO
(C) C₂H₅OH
(D) CH₃COCH₃

Q4 In the reaction

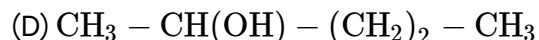


- x, x will be
(A) (CH₃)₂ - CH - CH₂ - CH(OH)CH₃
(B) (CH₃)₂ - CH - CH(OH) - CH₂ - CH₃
(C) (CH₃)₂ - C(OH) - CH₃CH₂CH₃
(D) CH₃ - CH(OH) - (CH₂)₃CH₃

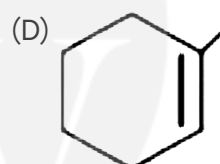
Q5 In the reaction



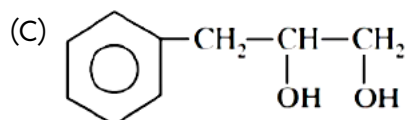
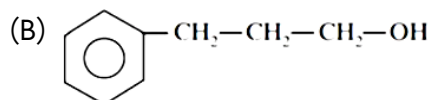
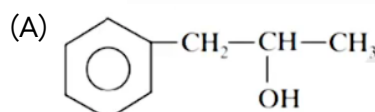
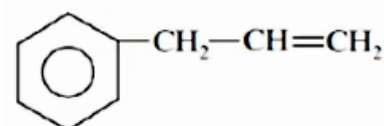
- (A) (CH₃)₂ - CH - CH₂ - CH₂OH
(B) (CH₃)₂ - CH - CH(OH) - CH₃
(C) (CH₃)₂ - C(OH) - CH₂ - CH₃

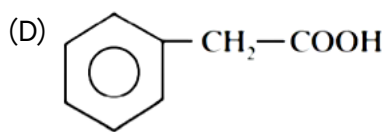


Q6 Which of the following alkenes to give same product in HBO, Oxymercuration- demercuration and acid catalysed hydration?



Q7 The following compound on mercuriation- demercuration produces the major product

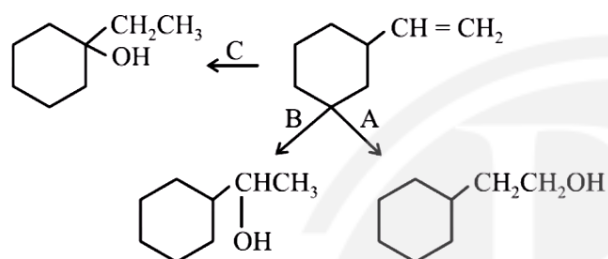




Q8 Which set of reagents is used for the purpose of adding water to an alkene in a Markovnikov addition without rearrangement?

- (A) BH_3 , THF followed by H_2O_2 , NaOH , H_2O
 (B) H_2O , H_2SO_4
 (C) Br_2 , H_2O
 (D) $\text{Hg}(\text{OAc})_2$, H_2O followed by NaBH_4

Q9 Select schemes A, B, C out of



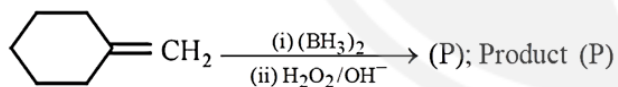
I. Acid catalyzed hydration

II. HBO

III. Oxymercuration-demercuration

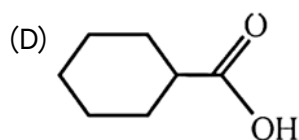
- (A) I in all cases (B) I, II, III
 (C) II, III, I (D) III, I, II

Q10

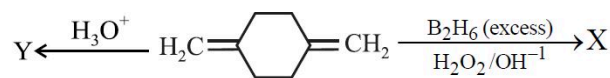


in the reaction is

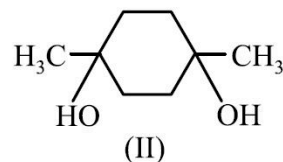
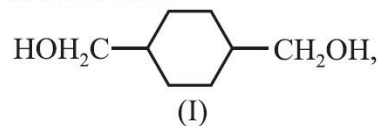
- (A)
- (B)
- (C)



Q11



X and Y are :

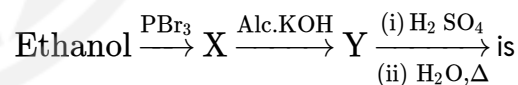


- (A) X is I and Y is II
 (B) X is II and Y is I
 (C) I in both case
 (D) II in both case

Q12 Propene on hydroboration oxidation produces

- (A) Propan-1-ol
 (B) Propan-2-ol
 (C) Propane-1, 3-diol
 (D) Propane-1, 2-diol

Q13 Consider the following reaction:



- (A) $\text{CH}_3\text{CH}_2\text{OCH}_2\text{CH}_2$
 (B) $\text{CH}_3\text{CH}_2\text{O} - \text{SO}_3\text{H}$
 (C) $\text{CH}_3\text{CH}_2\text{OH}$
 (D) $\text{CH}_2 = \text{CH}_2$



Answer Key

Q1 (D)
Q2 (A)
Q3 (B)
Q4 (B)
Q5 (A)
Q6 (C)
Q7 (A)

Q8 (D)
Q9 (C)
Q10 (A)
Q11 (A)
Q12 (A)
Q13 (C)



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