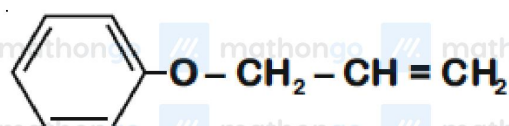
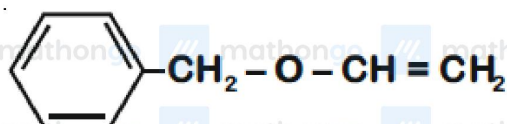
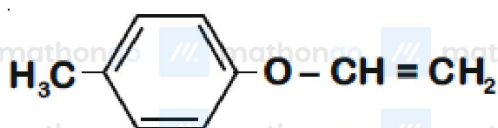
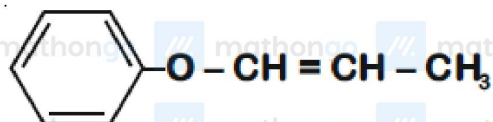


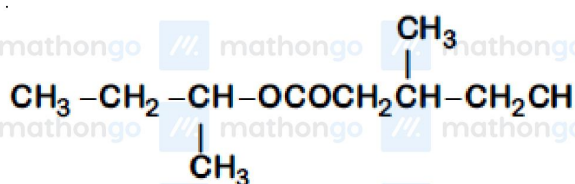
Q1 JEE Main 2020 - 2 September (Evening)

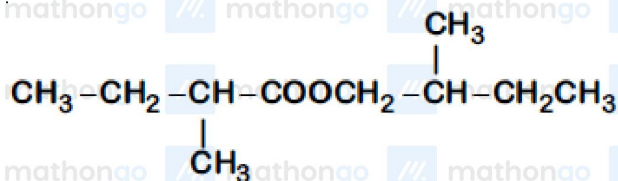
An organic compound 'A' ($C_9H_{10}O$) when treated with conc. HI undergoes cleavage to yield compounds 'B' and 'C'. 'B' gives yellow precipitate with $AgNO_3$ whereas 'C' tautomerizes to 'D'. 'D' gives positive iodoform test. 'A' could be



Q2 JEE Main 2020 - 3 September (Morning)

An organic compound [A], molecular formula $C_{10}H_{20}O_2$ was hydrolyzed with dilute sulphuric acid to give a carboxylic acid [B] and an alcohol [C]. Oxidation of [C] with $CrO_3 - H_2SO_4$ produced [B]. Which of the following structures are not possible for [A]?



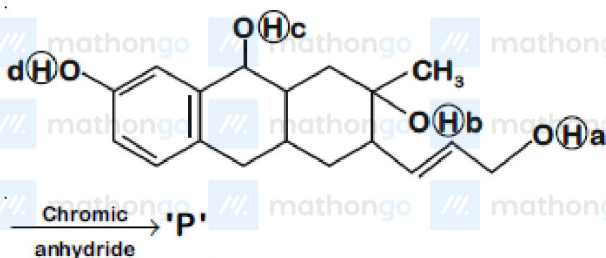


(B)

(C) $(\text{CH}_3)_3\text{C}-\text{COOCH}_2\text{C}(\text{CH}_3)_3$ (D) $\text{CH}_3\text{CH}_2\text{CH}_2\text{COOCH}_2\text{CH}_2\text{CH}_2\text{CH}_3$

Q3 JEE Main 2020 - 3 September (Evening)

Consider the following reaction :



The product 'P' gives positive ceric ammonium nitrate test. This is because of the presence of which of these -OH group(s)?

(A) (d) only

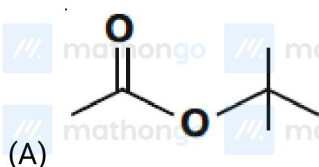
(B) (c) and (d)

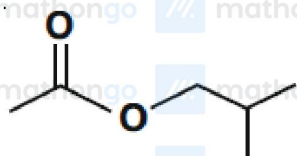
(C) (b) only

(D) (b) and (d)

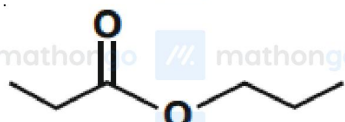
Q4 JEE Main 2020 - 4 September (Morning)

An organic compound (A) (molecular formula $\text{C}_6\text{H}_{12}\text{O}_2$) was hydrolysed with dil. H_2SO_4 to give a carboxylic acid (B) and an alcohol (C). 'C' gives white turbidity immediately when treated with anhydrous ZnCl_2 and conc. HCl . The organic compound (A) is

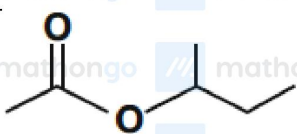




(B)



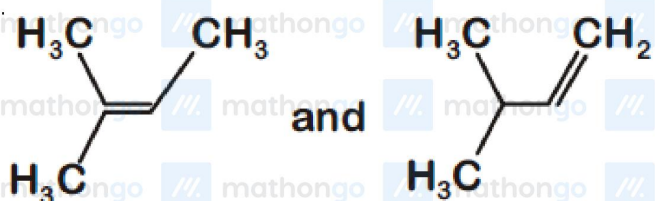
(C)



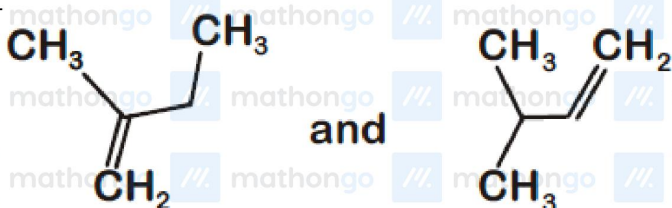
(D)

Q5 JEE Main 2020 - 4 September (Morning)

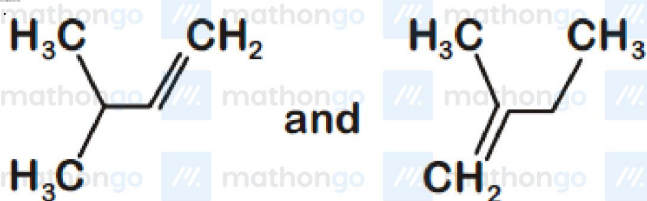
When neopentyl alcohol is heated with an acid, it slowly converted into an 85: 15 mixture of alkenes *A* and *B*, respectively. What are these alkenes?



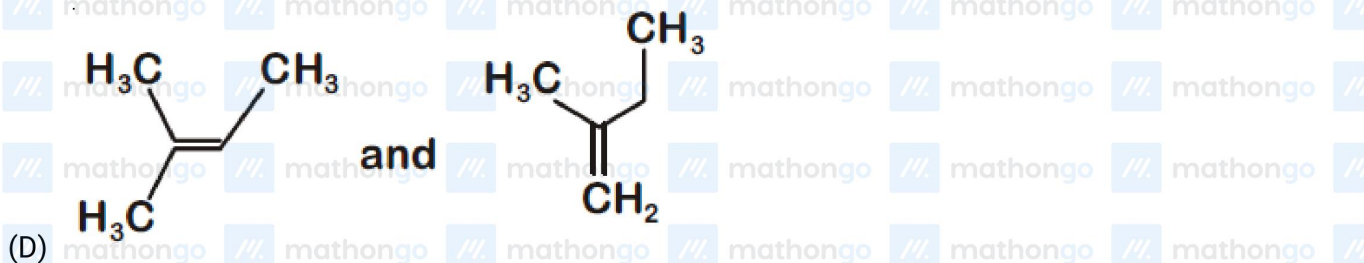
(A)



(B)

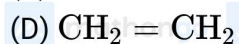
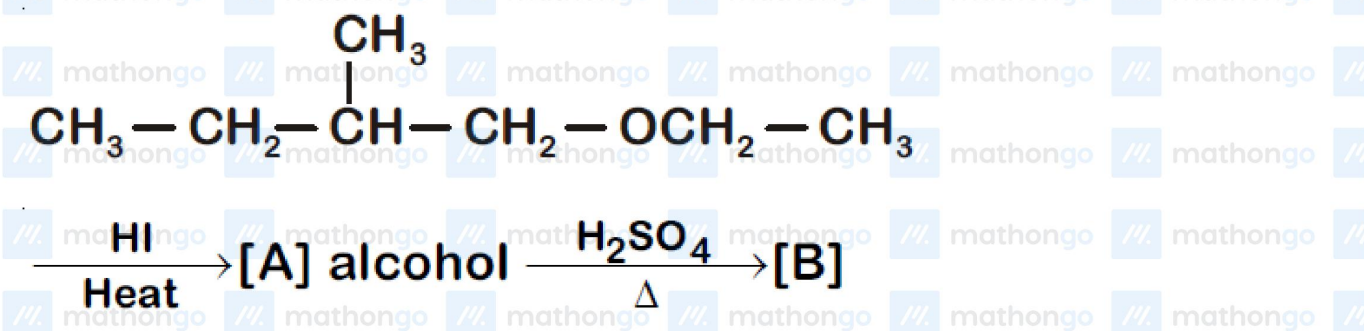


(C)



Q6 JEE Main 2020 - 4 September (Evening)

The major product [B] in the following reactions is



Q7 JEE Main 2020 - 5 September (Morning)

Which of the following derivatives of alcohols is unstable in an aqueous base?

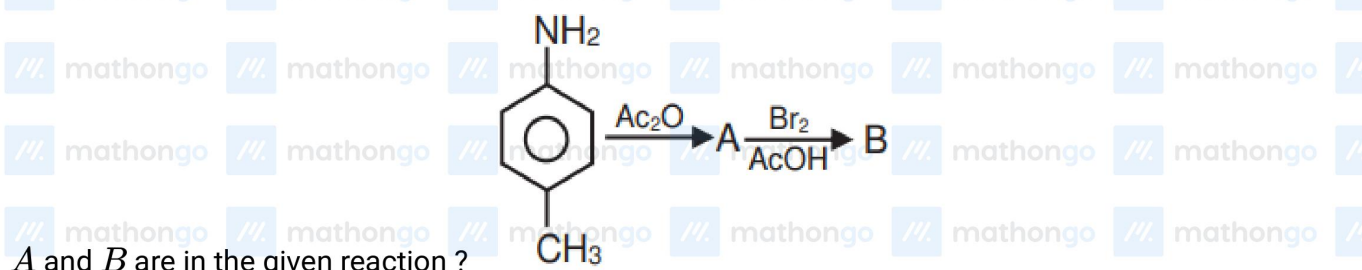


Q9 JEE Main 2020 - 6 September (Evening)

A solution of phenol in chloroform when treated with aqueous NaOH gives compound *P* as a major product. The mass percentage of carbon in *P* is . (to the nearest integer)

(Atomic mass : C = 12; H = 1; O = 16)

Q10 JEE Main 2020 - 7 January (Evening)



(B)



(C)



(D)



Q11 JEE Main 2020 - 8 January (Morning)

The major product of the following reaction is :



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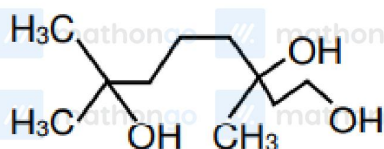
Alcohols Ether And Phenols

Questions with Answer Keys

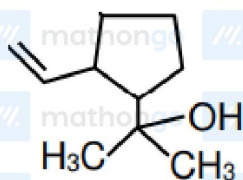
JEE Main 2020 Chapterwise

Chemistry

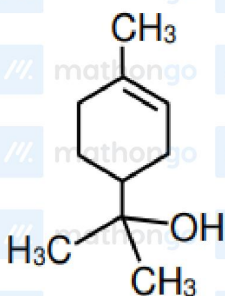
(A)      



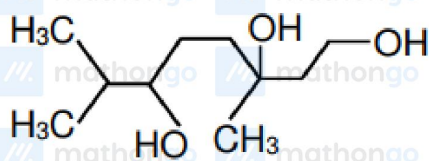
(B)      



(C)      



(D)      



Q12 JEE Main 2020 - 9 January (Morning)

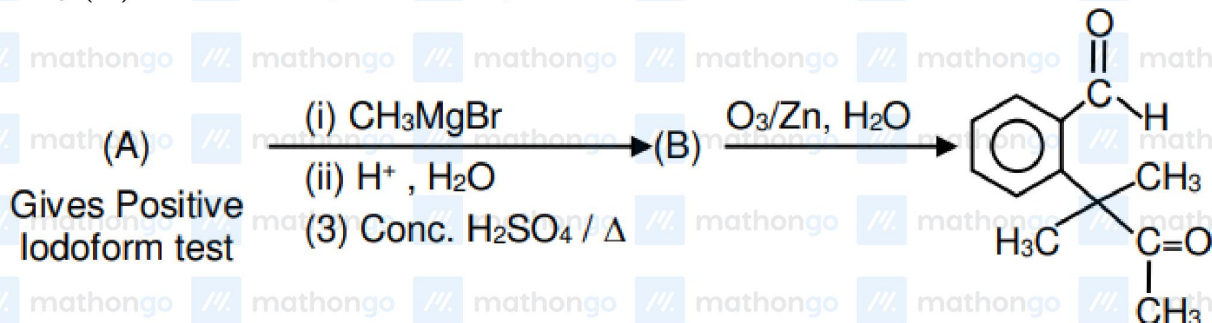
     

#MathBoleTohMathonGo

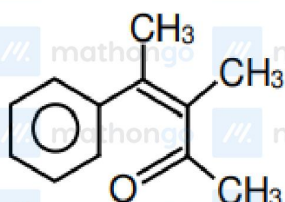
     

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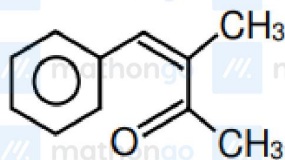
Identify (A) in the following reaction sequence :



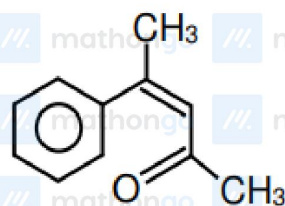
(A)



(B)



(C)



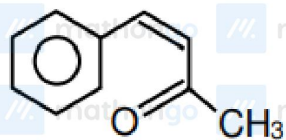
Alcohols Ether And Phenols

Questions with Answer Keys

JEE Main 2020 Chapterwise

Chemistry

(D)



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Answer Key

Q1 (C)

Q2 (A, D)

Q3 (D)

Q4 (A)

Q5 (D)

Q6 (C)

Q7 (A)

Q8 (D)

Q9 (69)

Q10 (A)

Q11 (C)

Q12 (B)