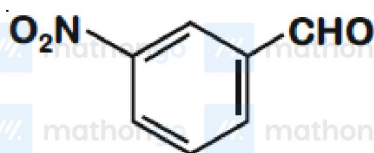
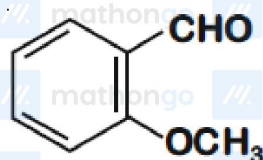
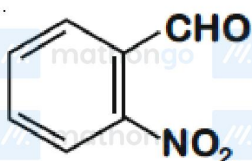
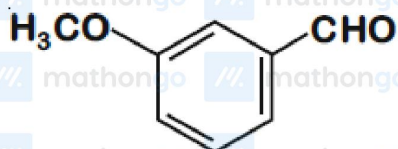


Q1 JEE Main 2020 - 2 September (Morning)

The increasing order of the following compounds towards HCN addition is



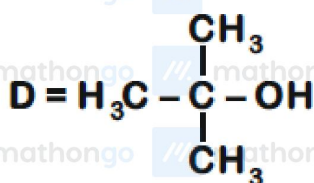
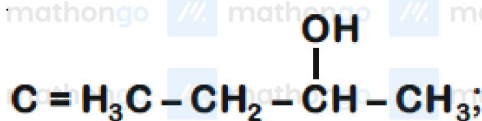
- (A) (iii) < (iv) < (ii) < (i)
(B) (iii) < (i) < (iv) < (ii)
(C) (iii) < (iv) < (i) < (ii)
(D) (i) < (iii) < (iv) < (ii)

Q2 JEE Main 2020 - 2 September (Evening)

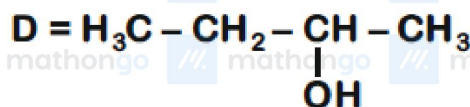
Two compounds *A* and *B* with same molecular formula (C_3H_6O) undergo Grignard's reaction with methylmagnesium bromide to give products *C* and *D*. Products *C* and *D* show following chemical tests.

Test	C	D
Ceric ammonium nitrate Test	Positive	Positive
Lucas Test	Turbidity obtained after five minutes	Turbidity obtained immediately
Iodoform Test	Positive	Negative

C and D respectively are



(A)



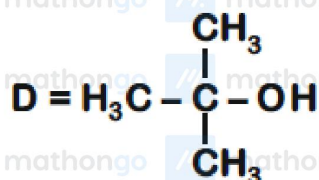
(B)

Aldehydes And Ketones

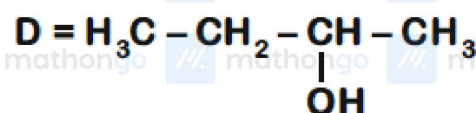
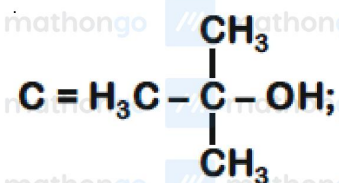
Questions with Answer Keys

JEE Main 2020 Chapterwise

Chemistry



(C)



(D)

Q3 JEE Main 2020 - 3 September (Evening)

The increasing order of the reactivity of the following compounds in nucleophilic addition reaction is Propanal, Benzaldehyde, Propanone, Butanone

- (A) Propanal < Propanone < Butanone < Benzaldehyde
- (B) Benzaldehyde < Propanal < Propanone < Butanone
- (C) Benzaldehyde < Butanone < Propanone < Propanal
- (D) Butanone < Propanone < Benzaldehyde < Propanal

Q4 JEE Main 2020 - 3 September (Evening)

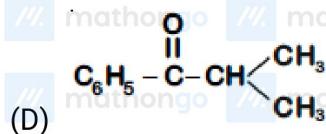
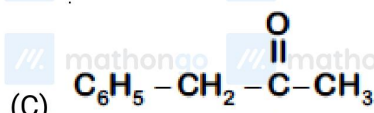
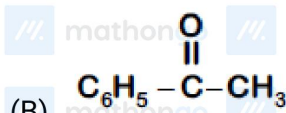
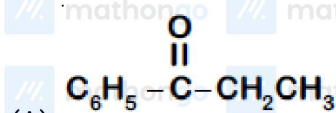
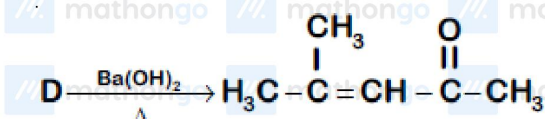
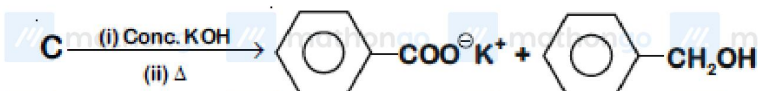
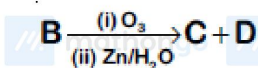
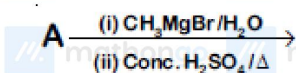
Aldehydes And Ketones

Questions with Answer Keys

JEE Main 2020 Chapterwise

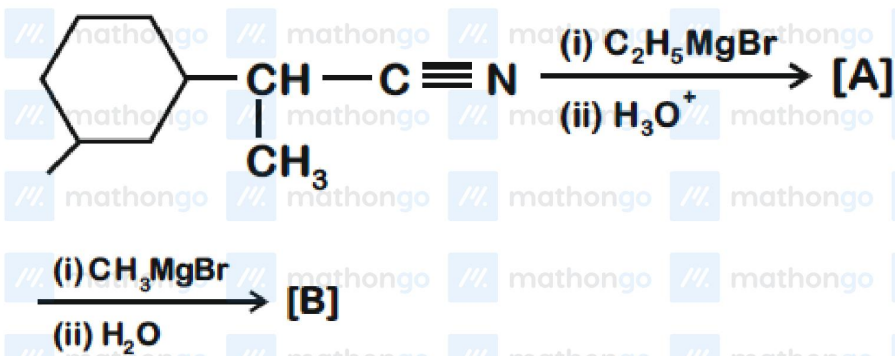
Chemistry

The compound *A* in the following reactions is



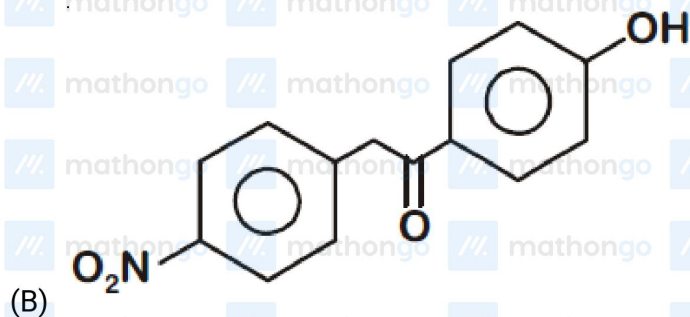
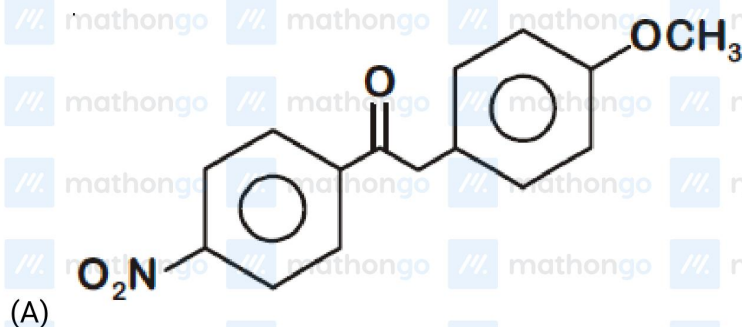
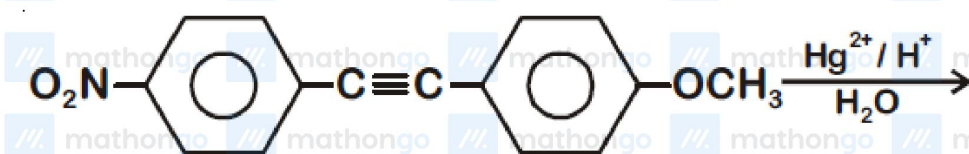
Q5 JEE Main 2020 - 4 September (Morning)

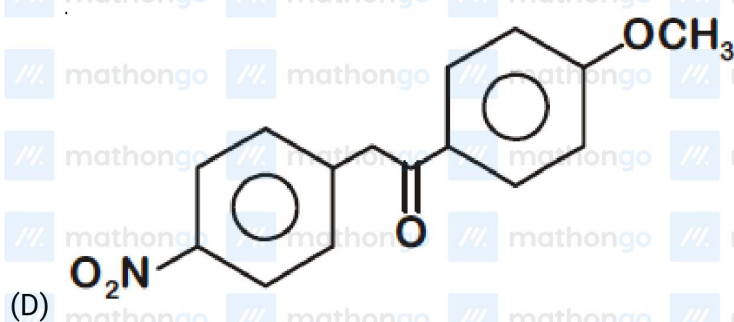
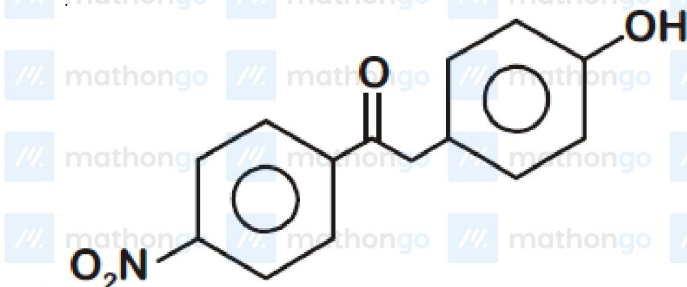
The number of chiral centres present in [B] is



Q6 JEE Main 2020 - 6 September (Morning)

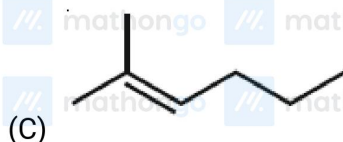
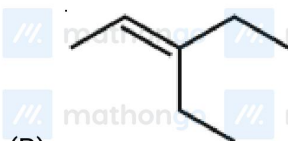
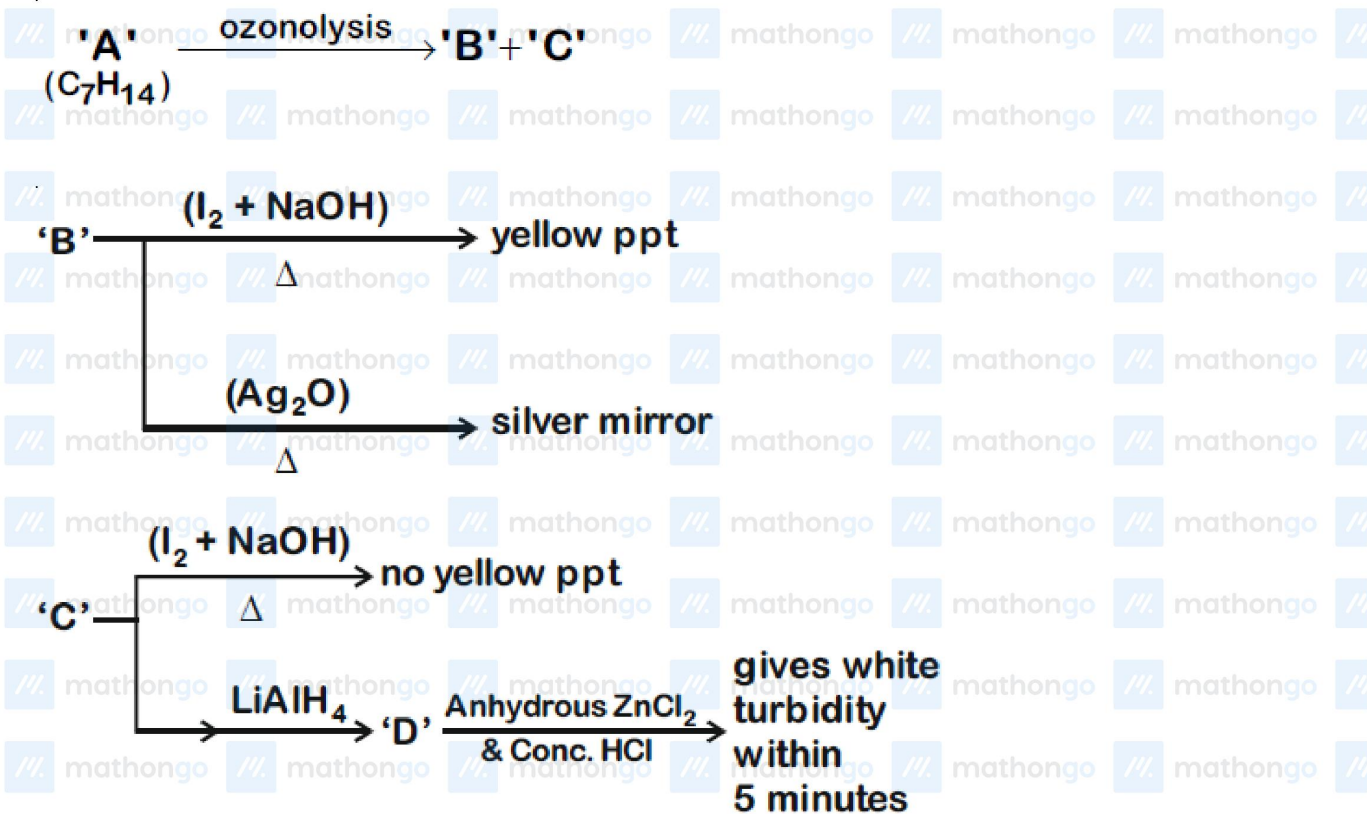
The major product obtained from the following reaction is





Q7 JEE Main 2020 - 6 September (Morning)

Consider the following reactions



Aldehydes And Ketones

Questions with Answer Keys

JEE Main 2020 Chapterwise

Chemistry



(D)

Q8 JEE Main 2020 - 6 September (Evening)

The correct match between Item-I (starting material) and Item-II (reagent) for the preparation of benzaldehyde is

Item-I

Item-II

(I) Benzene

(P) HCl and SnCl_2 ,

H_3O^+

(II) Benzonitrile

(Q) H_2 , Pd-BaSO₄, S

and quinoline

(III) Benzoyl Chloride

(R) CO, HCl and AlCl_3

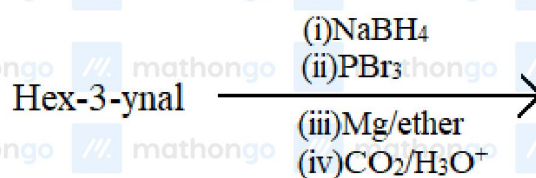
(A) (I) – (R), (II) – (P) and (III) – (Q)

(B) (I) – (P), (II) – (Q) and (III) – (R)

(C) (I) – (Q), (II) – (R) and (III) – (P)

(D) (I) – (R), (II) – (Q) and (III) – (P)

Q9 JEE Main 2020 - 7 January (Morning)



What is the product of following reaction ?

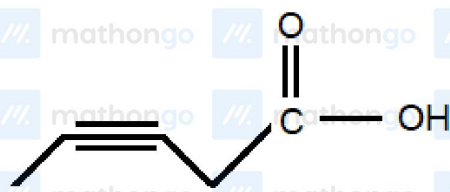
#MathBoleTohMathonGo

www.mathongo.com

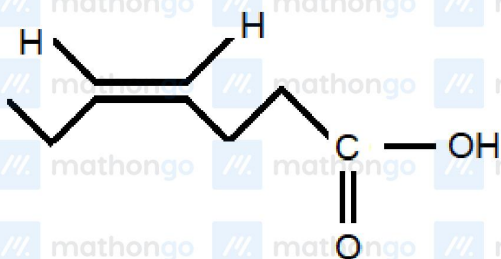
Aldehydes And Ketones
Questions with Answer Keys

JEE Main 2020 Chapterwise
Chemistry

(A)



(B)



(C)



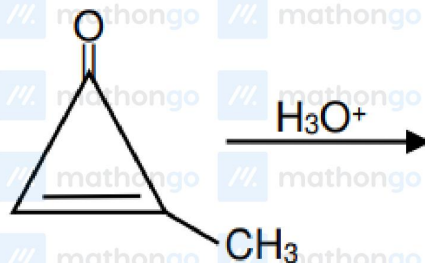
(D)



Q10 JEE Main 2020 - 8 January (Evening)

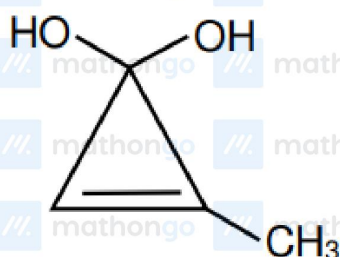
#MathBoleTohMathonGo

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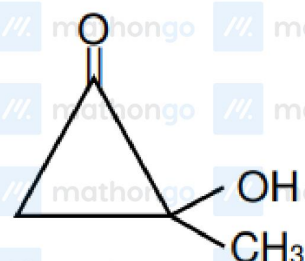


The major product of the following reactions is

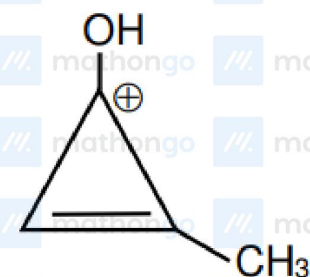
(A)



(B)



(C)



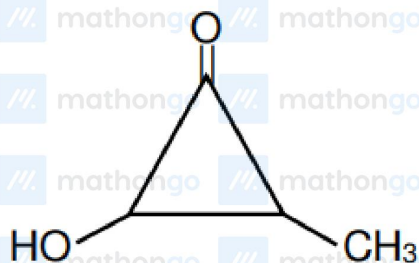
Aldehydes And Ketones

Questions with Answer Keys

JEE Main 2020 Chapterwise

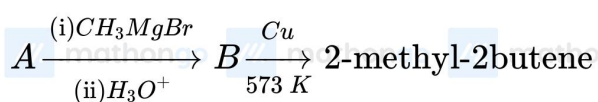
Chemistry

(D)



Q11 JEE Main 2020 - 9 January (Evening)

Consider the following reactions



The mass percentage of carbon in *A* is ...

Answer Key

Q1 (B)

Q2 (A)

Q3 (D)

Q4 (C)

Q5 (4)

Q6 (D)

Q7 (B)

Q8 (A)

Q9 (A)

Q10 (C)

Q11 (66.67)