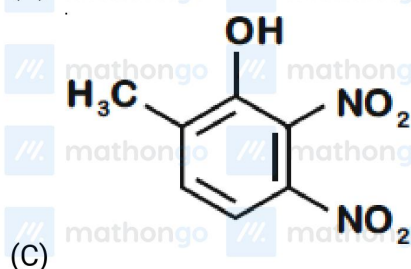
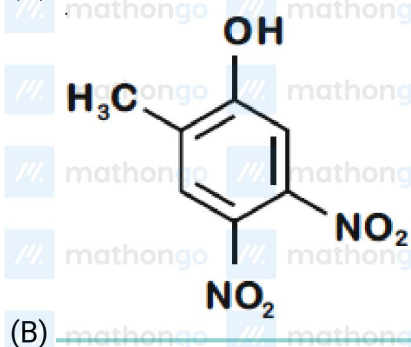
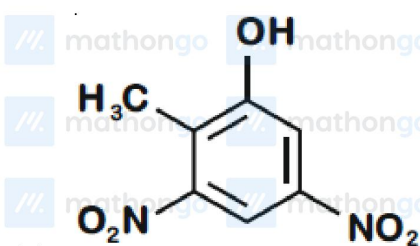
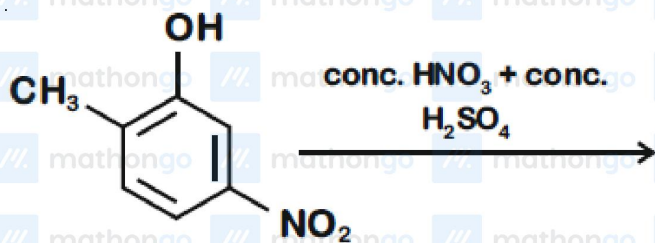
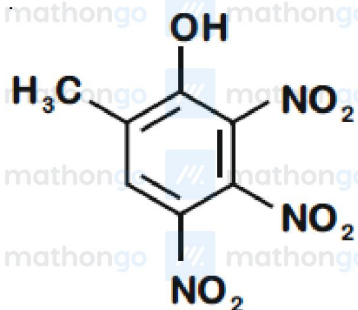


Q1 JEE Main 2020 - 2 September (Evening)

The major product of the following reaction is:



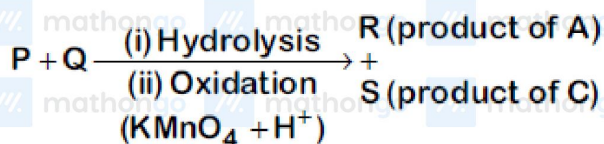


(D)

Q2 JEE Main 2020 - 3 September (Evening)

Three isomers *A*, *B* and *C* (mol. formula  $C_8H_{11}N$ ) give the following results

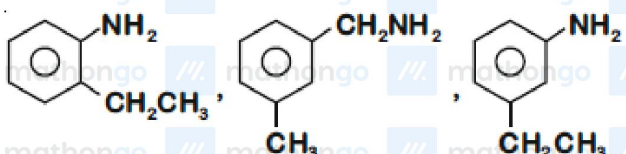
*A* and *C*  $\xrightarrow{\text{Diazotization}}$



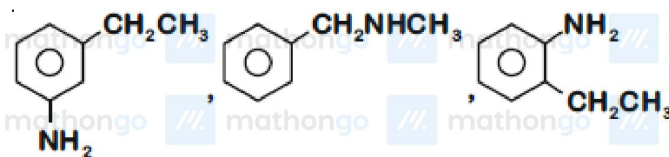
*R* has lower boiling point than *S*

*B*  $\xrightarrow{C_6H_5SO_2Cl}$  alkali-insoluble product

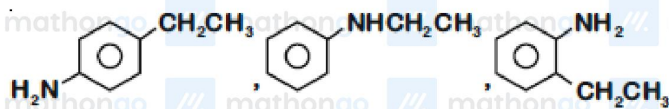
*A*, *B* and *C*, respectively are



(A)



(B)



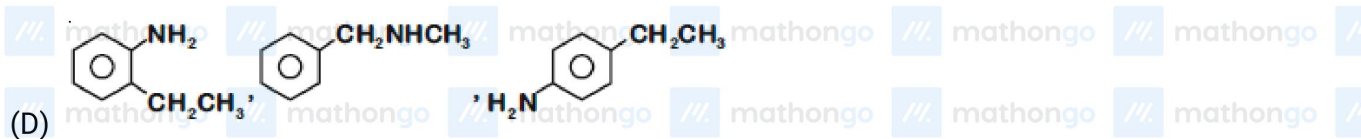
(C)

## Aromatic Compounds

### Questions with Answer Keys

## JEE Main 2020 Chapterwise

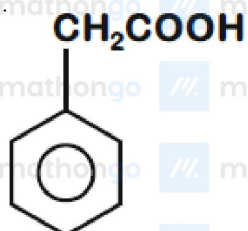
### Chemistry



### Q3 JEE Main 2020 - 4 September (Morning)

[P] on treatment with  $\text{Br}_2/\text{FeBr}_3$  in  $\text{CCl}_4$  produced a single isomer  $\text{C}_8\text{H}_7\text{O}_2\text{Br}$  while heating [P] with sodalime gave toluene. The compound [P] is

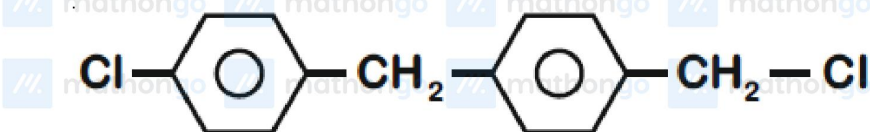
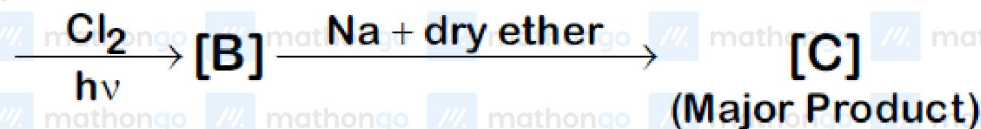
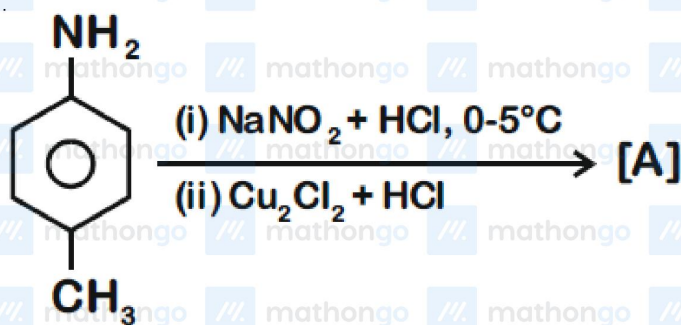




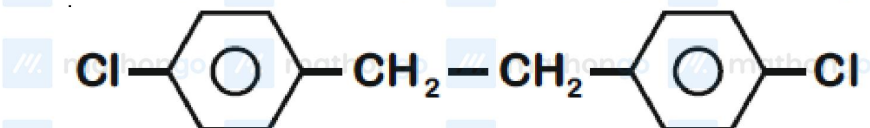
(D)

Q4 JEE Main 2020 - 4 September (Evening)

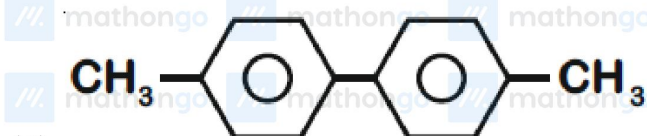
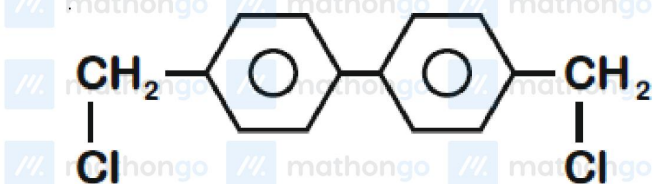
In the following reaction sequence, [C] is



(A)

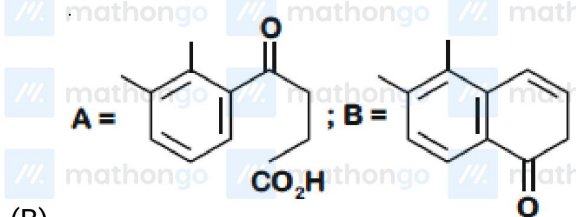
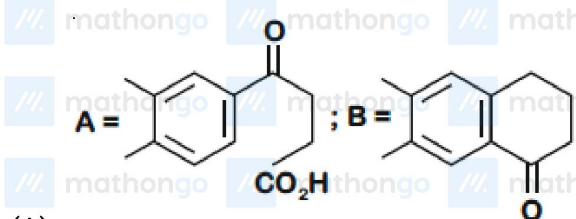
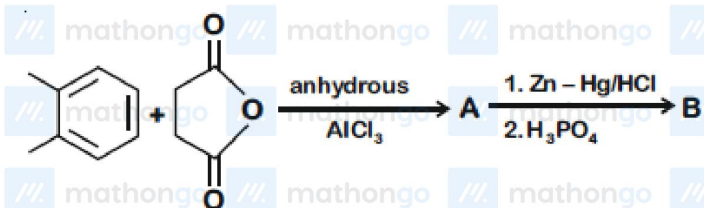


(B)



Q5 JEE Main 2020 - 5 September (Morning)

In the following reaction sequence the major products *A* and *B* are:

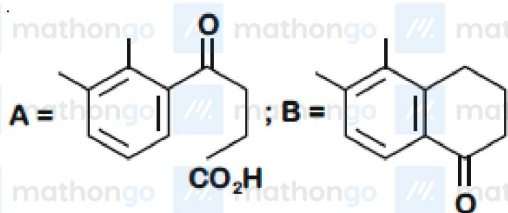
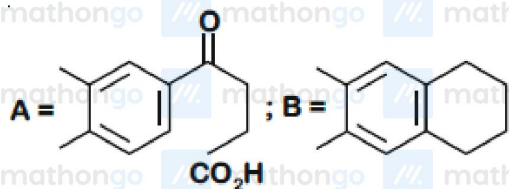


## Aromatic Compounds

### Questions with Answer Keys

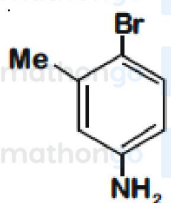
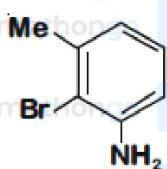
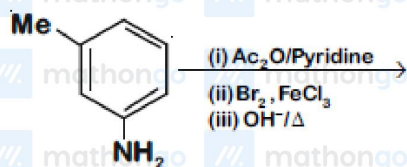
## JEE Main 2020 Chapterwise

### Chemistry



### Q6 JEE Main 2020 - 5 September (Evening)

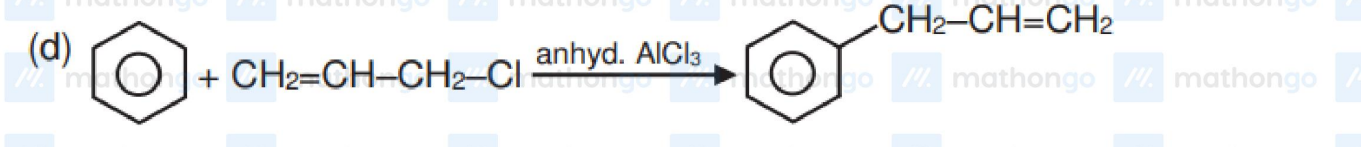
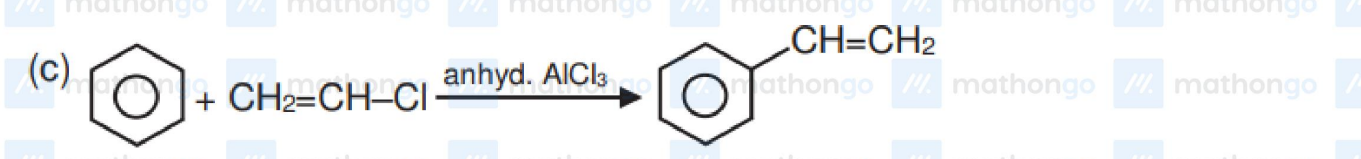
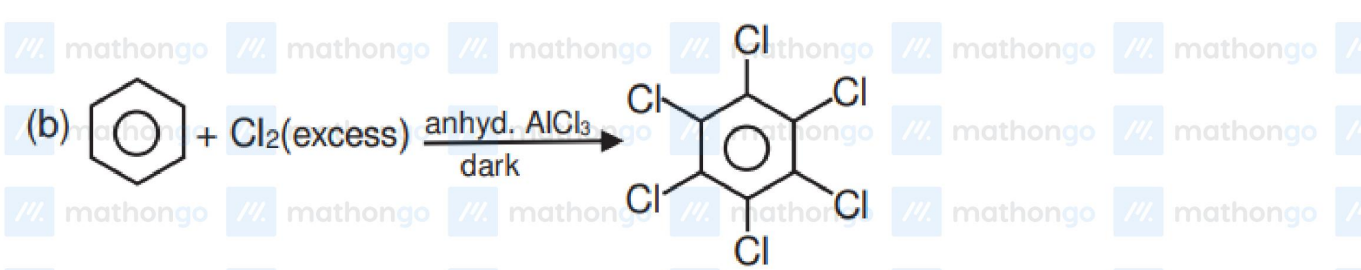
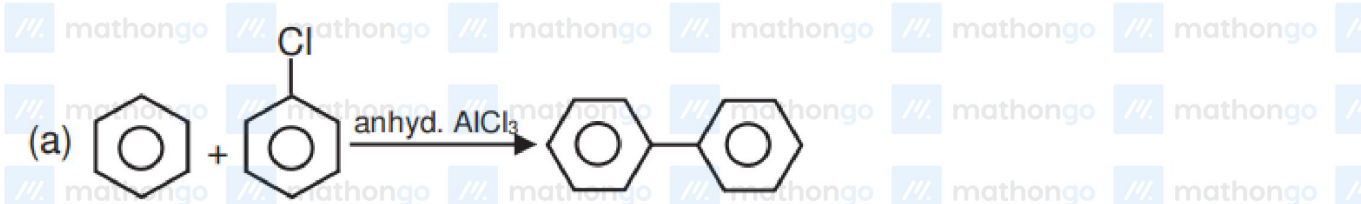
The final major product of the following reaction is





Q7 JEE Main 2020 - 7 January (Evening)

Which of the following reactions are possible ?



## Aromatic Compounds

## JEE Main 2020 Chapterwise

### Questions with Answer Keys

### Chemistry

(A) *A, B, C*

(B) *B, D*

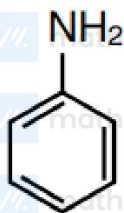
(C) *A, C, D*

(D) *A, C*

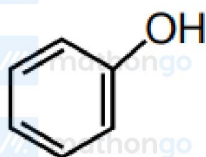
**Q8 JEE Main 2020 - 9 January (Morning)**

Which of these will produce the highest yield in Friedel Craft reaction ?

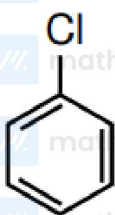
(A)



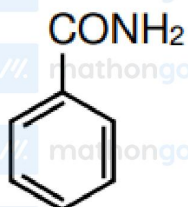
(B)



(C)



(D)



## Aromatic Compounds

### Questions with Answer Keys

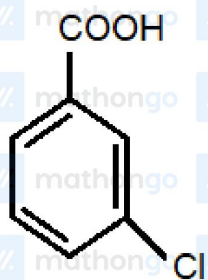
## JEE Main 2020 Chapterwise

### Chemistry

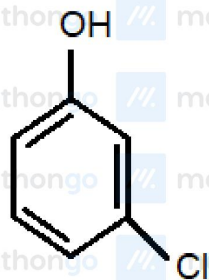
#### Q9 JEE Main 2020 - 7 January (Morning)

A solution of m-chloroaniline, m-chlorophenol and m-chlorobenzoic acid in ethyl acetate was extracted initially with a saturated solution of  $\text{NaHCO}_3$  to give fraction *A*. The left over organic phase was extracted with dilute  $\text{NaOH}$  solution to give fraction *B*. The final organic layer was labelled as fraction *C*.

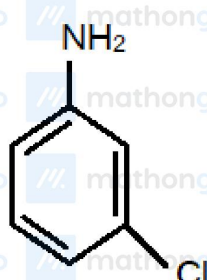
Fraction *A*, *B* and *C*, contain respectively :



(x)



(y)



(z)

- (A) m-chlorobenzoic acid, m-chlorophenol and m-chloroaniline
- (B) m-chlorophenol, m-chlorobenzoic acid and m-chloroaniline
- (C) m-chloroaniline, m-chlorobenzoic acid and m-chlorophenol
- (D) m-chlorobenzoic acid, m-chloroaniline and m-chlorophenol

## Answer Key

Q1 (B)

Q2 (D)

Q3 (C)

Q4 (B)

Q5 (A)

Q6 (B)

Q7 (B)

Q8 (C)

Q9 (A)