

(C) 3

(D) 4

Correct Option : C

SOLUTION

ATTEMPT FREE TEST ON DOUBTNUT 

Q-17 - JEE ADVANCED-PART TEST-17 (CHEMISTRY)-CHEMISTRY

Many aromatic compounds can be drawn with molecular formula $C_8H_8O_2$. Find out the no. of aromatic compounds which can be

drawn with this molecular formula and which also contains an $-O-$ (ether) linkage

(A) 7

(B) 5

(C) 3

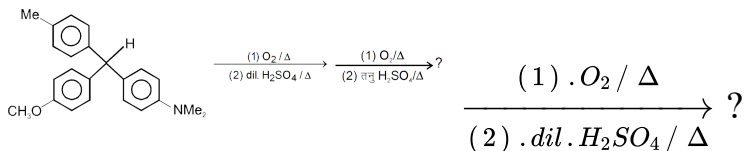
(D) 2

Correct Option : A

SOLUTION

NA

ATTEMPT FREE TEST ON DOUBTNUT 



Total number of organic products formed (major minor all).

(A) 6

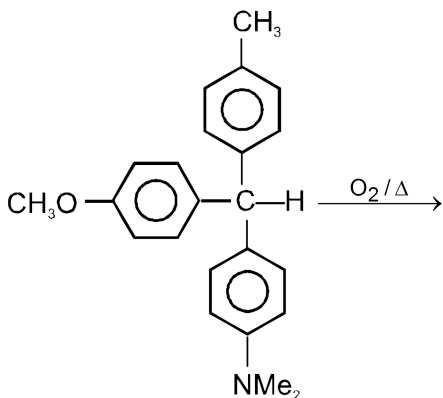
(B) 4

(C) 3

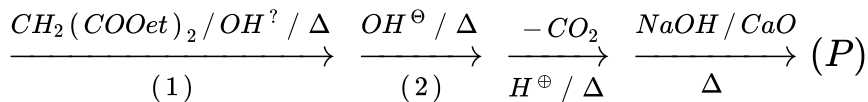
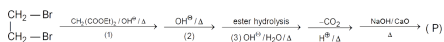
(D) 2

Correct Option : A

SOLUTION



Q-19 - JEE ADVANCED-PART TEST-17 (CHEMISTRY)-CHEMISTRY



Find out the molecular weight of end product (P).

(A) 54

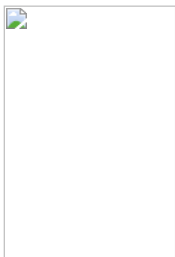
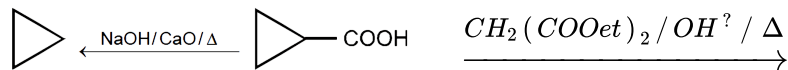
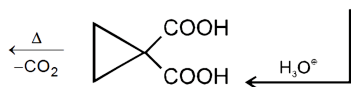
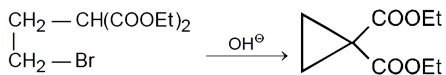
(B) 42

(C) 36

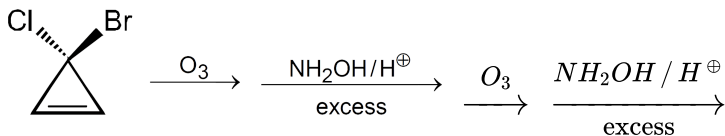
(D) 24

Correct Option : B

SOLUTION



ATTEMPT FREE TEST ON DOUBTNUT 

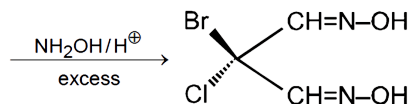
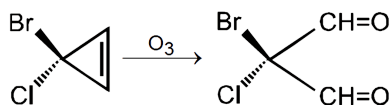


The total number isomeric products (including stereoisomers) formed at the end of the reaction is:

- (A) 5
- (B) 4
- (C) 2
- (D) 1

Correct Option : B

SOLUTION



cis - cis

trans - trans

cis R trans

trans S cis

Total isomeric product = 4

ATTEMPT FREE TEST ON DOUBTNUT ➔

Q-21 - JEE ADVANCED-PART TEST-17 (CHEMISTRY)-CHEMISTRY

A aromatic tetracarboxylic acid ($C_{10}H_6O_8$) can form two type of moooanhydrides on heating with P_2O_5 the sum of locants of all carboxylic groups in this compound will be:

(A) 14

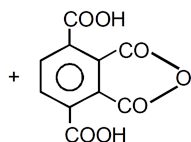
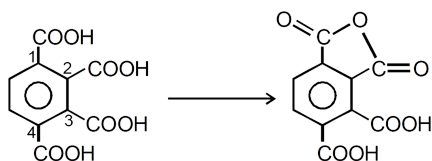
(B) 12

(C) 10

(D) 8

Correct Option : C

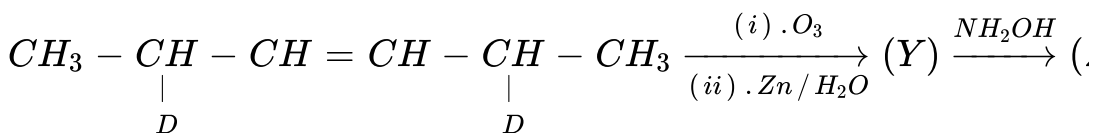
SOLUTION



ATTEMPT FREE TEST ON DOUBTNUT 

Q-22 - JEE ADVANCED-PART TEST-17 (CHEMISTRY)-CHEMISTRY

In the following sequence of reaction all stereoisomers of (X) have been taken,



Here P = Total number of stereoisomers of X

Q = Total number of stereoisomers of Y

R = Total number of stereoisomers of Z.

What is sum of P, Q and R in the above reaction.

(A) 9

(B) 12

(C) 13

(D) 15

Correct Option : B

SOLUTION

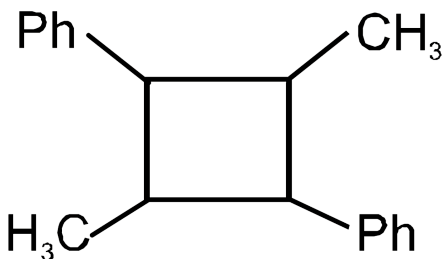
X has 3 stereocentres with similar ends, Hence 6 stereoisomers

$Y = CH_3 - \underset{|}{CH} - CHO$ has one stereocentre,

Hence 2 stereoisomers $z = CH_3 - \underset{\underset{D}{|}}{CH} - CH = NOH$ has 2

stereocentres, hence 4 stereoisomers.

Q-23 - JEE ADVANCED-PART TEST-17 (CHEMISTRY)-CHEMISTRY



Sum of total number of optically active and optical inactive isomers of following compound.

(A) 2

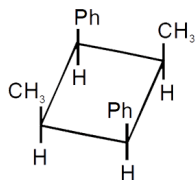
(B) 3

(C) 4

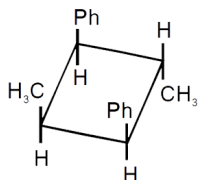
(D) 5

Correct Option : D

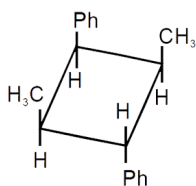
SOLUTION



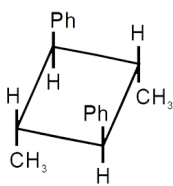
POS



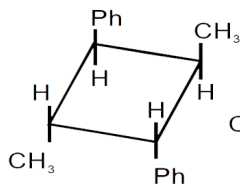
POS



POS



POS



COS & POS

ATTEMPT FREE TEST ON DOUBTNUT 

The total number of isomers for the alkyne with molecular formula

$C_3HDClBr$ is:

(A) 4

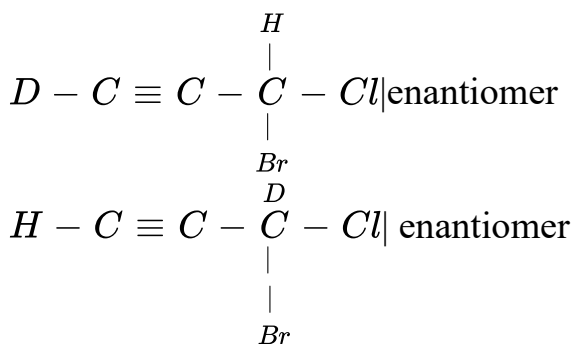
(B) 6

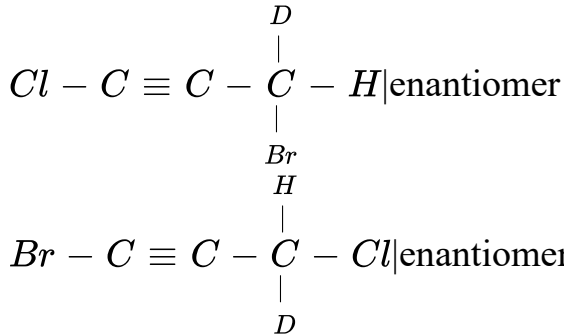
(C) 8

(D) 10

Correct Option : C

SOLUTION





ATTEMPT FREE TEST ON DOUBTNUT 

Q-25 - JEE ADVANCED-PART TEST-17 (CHEMISTRY)-CHEMISTRY

How many position isomers of dibromonaphthalene is possible if each ring of naphthalene has one halogen?

(A) 2

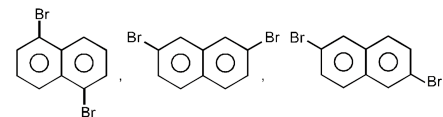
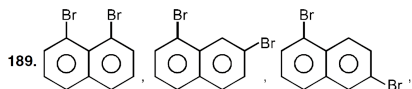
(B) 3

(C) 5

(D) 6

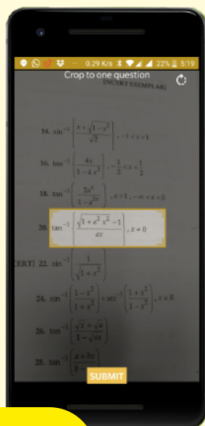
Correct Option : D

SOLUTION

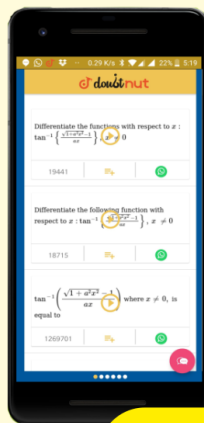


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