PAPER SOLUTION

From Meerut

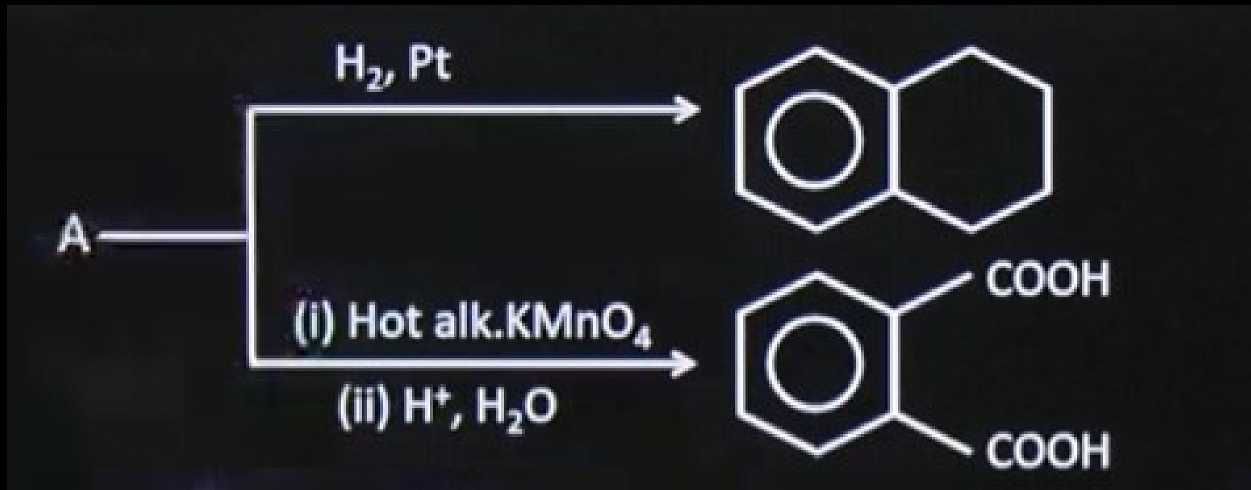
JEE MAIN 2026

JAN	SHIFT
21	1st

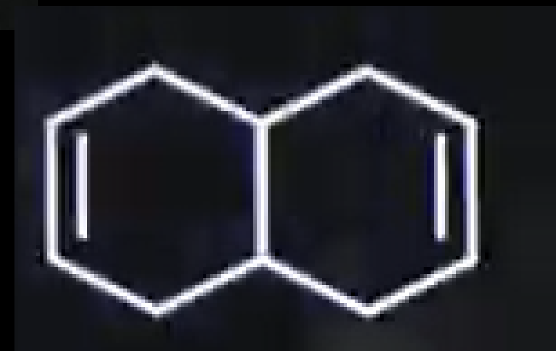
Aryan Agarwal
Founder and CEO
CVPS INTEGRATED STAR COURSE

JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q.



A


B


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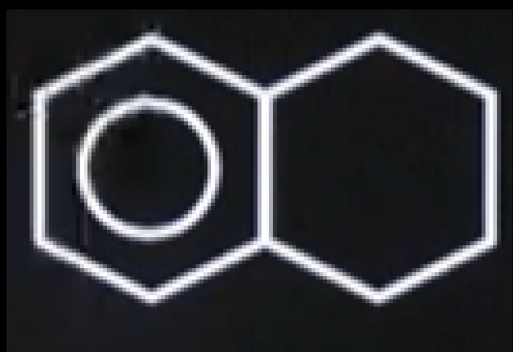

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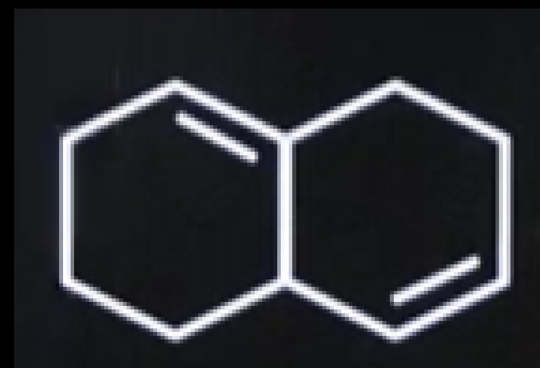

Ans. (A)

#Q. For two chemical reactions A and B, if the difference between their activation energy is 20 kJ at 300 K (R = 8.3 J K^{-1} mol^{-1}). Determine in $\frac{K_2}{K_1}$.

Ans. (8)

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#Q. In ‘S’ estimation 0.7 g of an organic compound gives 1 g $BaSO_4$ in carius method. What is the % of ‘S’ in compound?

A 19.61

B 14.57

C 23.85

D 27.93

Ans. (A)

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#Q. Which of the following is the correct order with respect to the property indicated?

A K > Na > Al > Mg (Metallic character)

B Cl > F (Ionisation energy)

C $K_2O > Na_2O > Al_2O_3$ (Basic nature)

D None of these

Ans. (C)

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#Q. Given below are two statements.
Statement I : Arginine and Tryptophan are essential amino acids.
Statement I : Glycine does not have any chiral carbon.
In the light of the above statements, which is the correct option.

A. Both statement-I and statement-II are correct

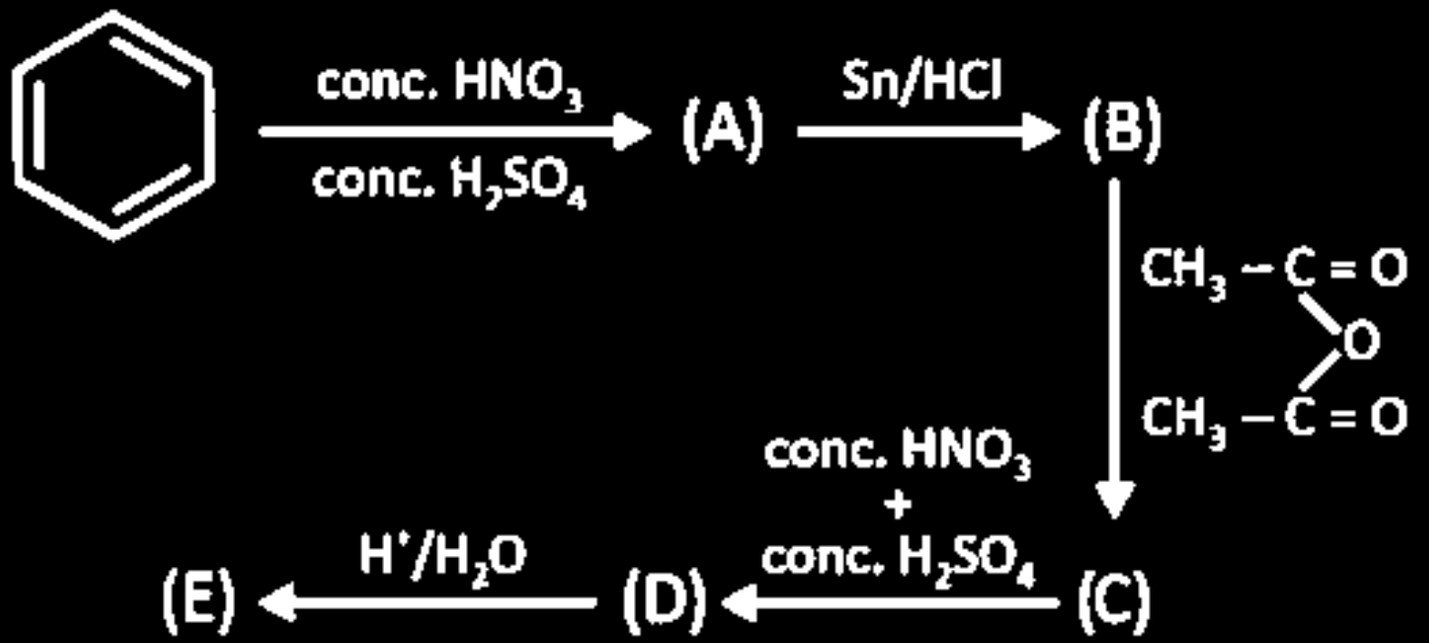
B. Both statement-I and statement-II are incorrect

C. Statement-I is correct and statement-II is incorrect

D. Statement-I is incorrect and statement-II is correct

Ans. (A)

#Q.



% of N in E = ?

Ans. (20)

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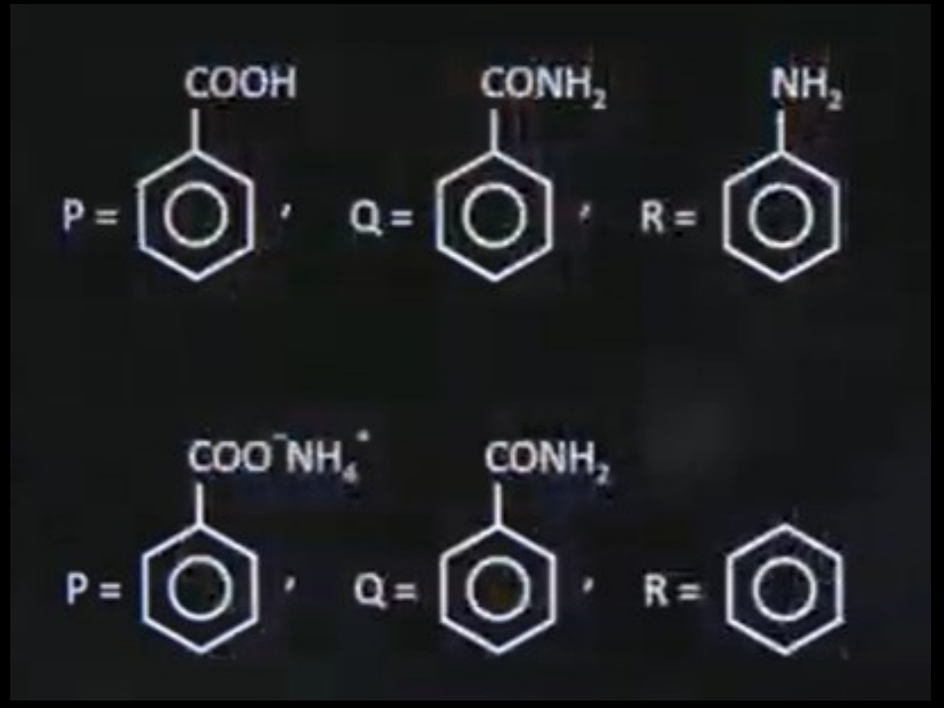
#Q. Observe the following reaction sequence:

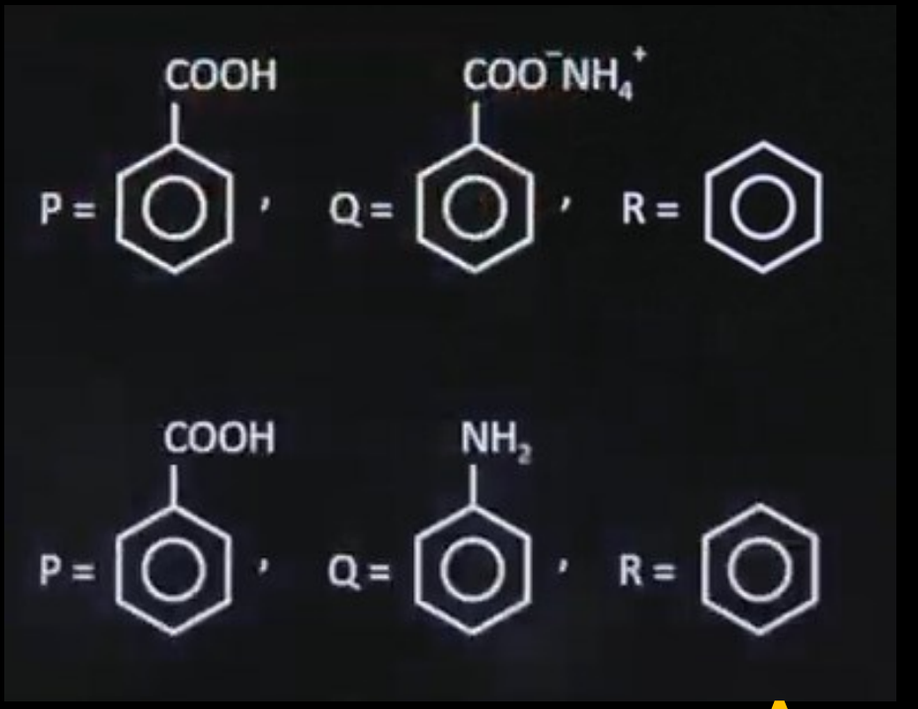
$$(P) \xrightarrow[\Delta]{NH_3} (Q) \xrightarrow{Br_2 . KOH} (R)$$

Which of he following is the correct structure for P, Q and R?

A



B



C

D

Ans. (A)

#Q. In the following reaction,

$$MnO_4^{2-} \xrightarrow{H^+}$$

Manganate ion undergoes ion undergoes disproportionation to form

(A) MnO_2, MnO_4^-

(B) MnO, MnO_2

(C) MnO_4^-, MnO

(D) MnO_2, MnO

Ans. (A)

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#Q. 80 mL of organic compound is mixed with 264 mL O_2 and ignited. On complete combustion it gives 224 mL of gaseous mixture at NTP. After passing KOH 64 mL of gas remains the organic compound is:

A C_2H_4

B C_2H_2

C C_3H_6

D C_4H_{10}

Ans. (B)

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#Q. Consider the following reaction

$Ca + 2HCl \longrightarrow CaCl_2 + H_2$

We have 14 g Ca reacts with excess of HCl. Choose the incorrect option.

A Mass produced of $CaCl_2$ is 38.85 g

B Mole of H_2 produced is 0.35 mol

C Volume of H_2 produced at STP is 7.84 L

D Mass of $CaCl_2$ produced is 3.885 g

Ans. (D)

JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q. Given below are two statements:
Statement I : All the pairs of molecules (PbO, PbO_2); (SnO, SnO_2) and (GeO, GeO_2) contain amphoteric oxides.
Statement II : $AlCl_3$, BH_3, BeH_2 and NO_2 all have incomplete octet.
In the light of the above statements, choose the correct option.

A Both Statement I and Statement II are correct

B Both Statement I and Statement II are incorrect

C Both Statement I is correct but Statement II is Incorrect

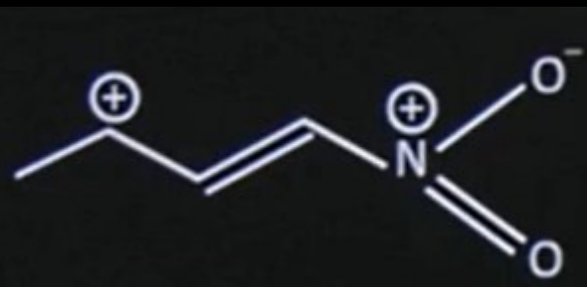
D Both Statement I is incorrect but Statement II is correct

Ans. (D)

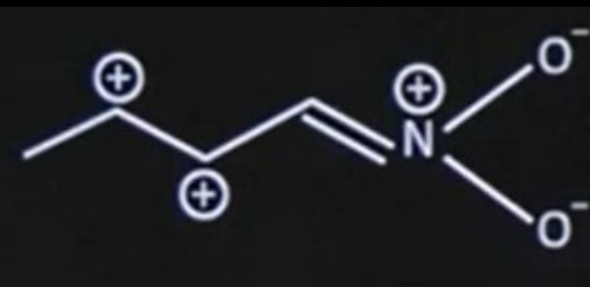
JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q. Which of the following resonating structure is the most stable?

A



B



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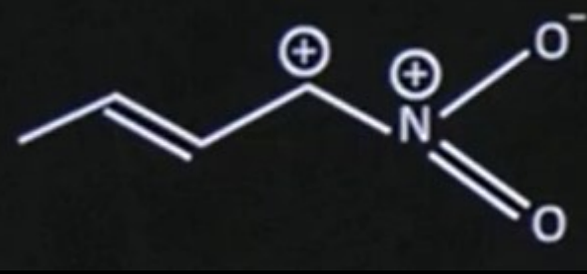
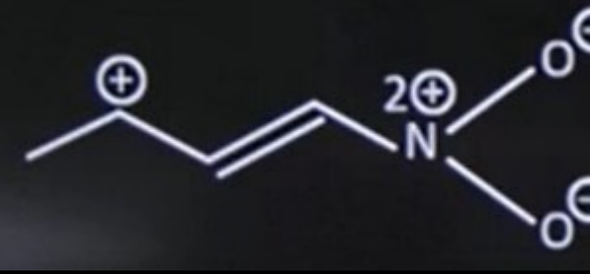


D



Ans. (A)

#Q. 1 g of AB_2 is dissolved in 50 g solvent such that $\Delta T_f = 0.689$. When 1 g AB is dissolved in 50 g of same solvent, ΔT_f is 1.176. Find molar mass of AB_2. 5 K kg/mol.
(Report to nearest integer) AB_2 and AB are non electrolyte.

Ans. (145)

JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q. Out of the following, how many compounds have tetrahedral geometry?

NH_4^+, XeF_4, $[NiCl_4]^{2-}$, $[PtCl_4]^{2-}$, $[Cu(NH_3)_4]^{2+}$, BF_3 and $[Ni(CO)_4]$

Ans. NH_4^+, $[NiCl_4]^{2-}$, and $[Ni(CO)_4]$

JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q. Consider the following statements.

(A) Propanal and Propanone are functional isomers

(B) Ethoxyethane and methoxypropane are metamers

(C) But-2-ene shoes optical isomerism

(D) But-I-ene and But-2-ene are functional isomers

(E) Pentane and 2, 2-dimethylpropane are chain isomers

The correct statements are

A. A, B, D only

B. A, B, E only

C. B, C, D only

D. A, B, D, E only

Ans. (B)

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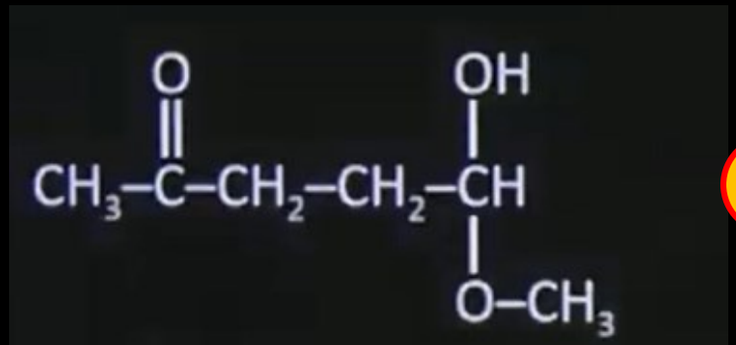
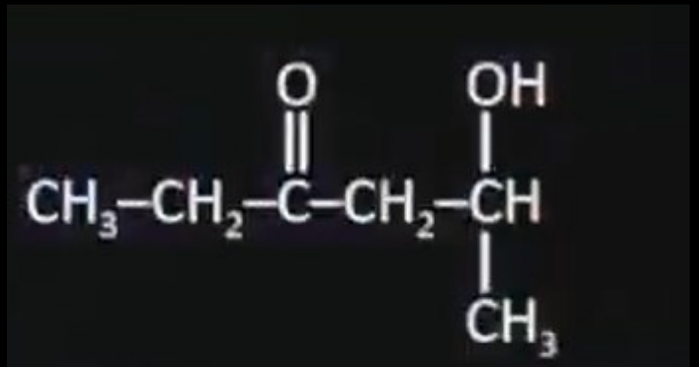
#Q. $C_6H_{12}O_3$ gives positive iodoform test on hydrolysis with dil. acid product formed gives Tollen and iodoform test both. Find structure of $C_6H_{12}O_3$.

A



B



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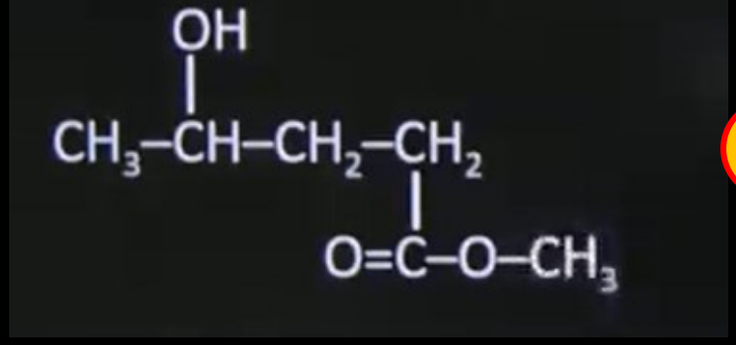
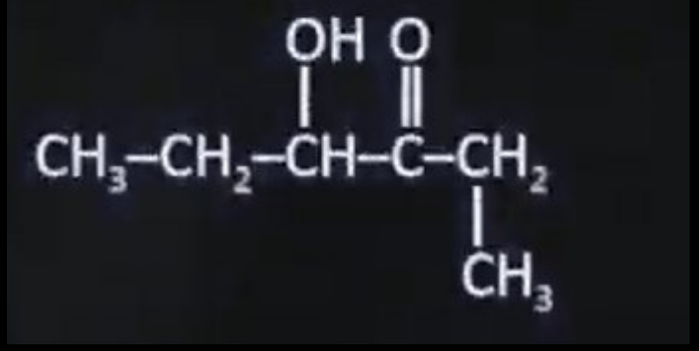


D



Ans. (A)

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#Q. Given below are two statements:

Statement I : When electric discharge is put on hydrogen, it emits discrete frequency in electromagnetic spectrum.

Statement II : Frequency of He^{+} ion of II^{nd} liner of Balmer series is equal first line of Lyman series of H–atom.

A Both Statement I and Statement II are correct

B Both Statement I and Statement II are incorrect

C Both Statement I is correct but Statement II is Incorrect

D Both Statement I is incorrect but Statement II is correct

Ans. (A)

JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q. Which of the following compound is paramagnetic in nature?

A $[Ni(CO)_4]$

B $[Ni(CN)_4]^{2-}$

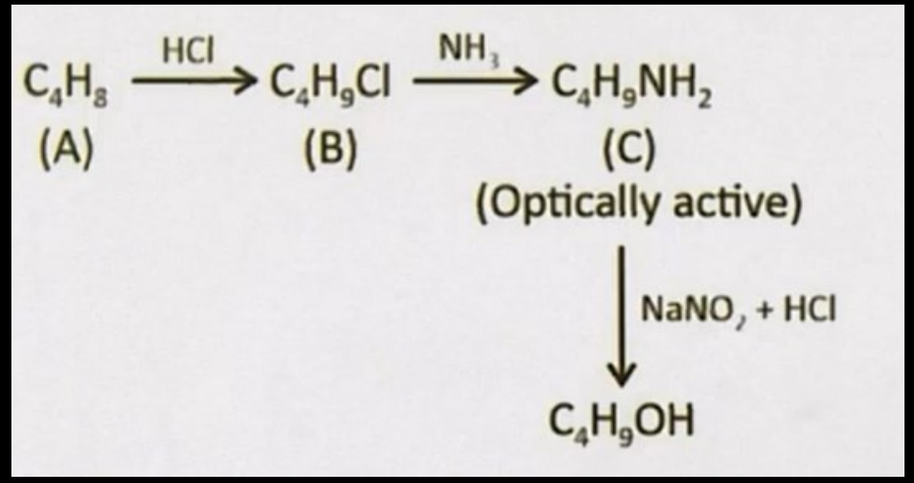
C $[NiCl_4]^{2-}$

D $[Co(H_2O)_6]^{3+}$

Ans. (C)

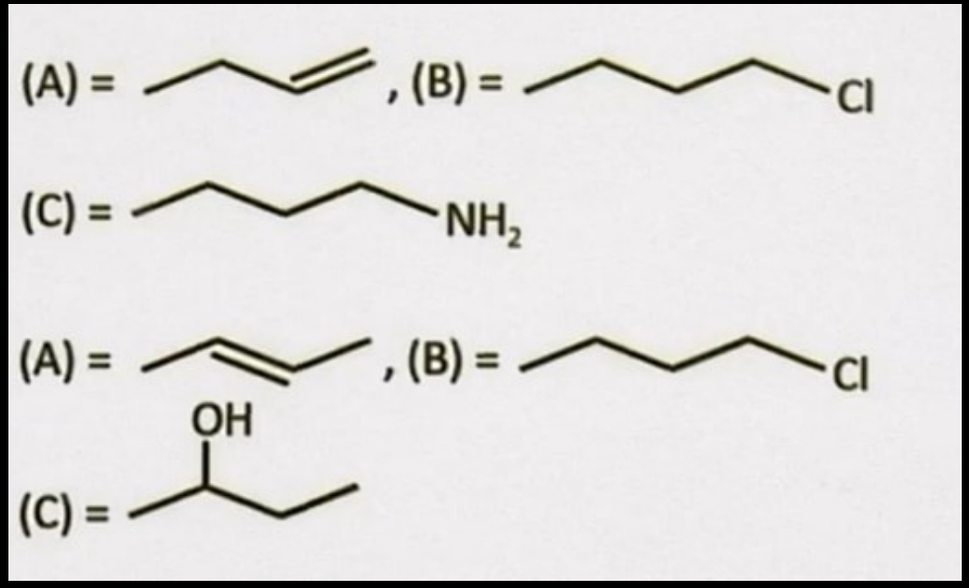
JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q. Observe the following reaction sequence:



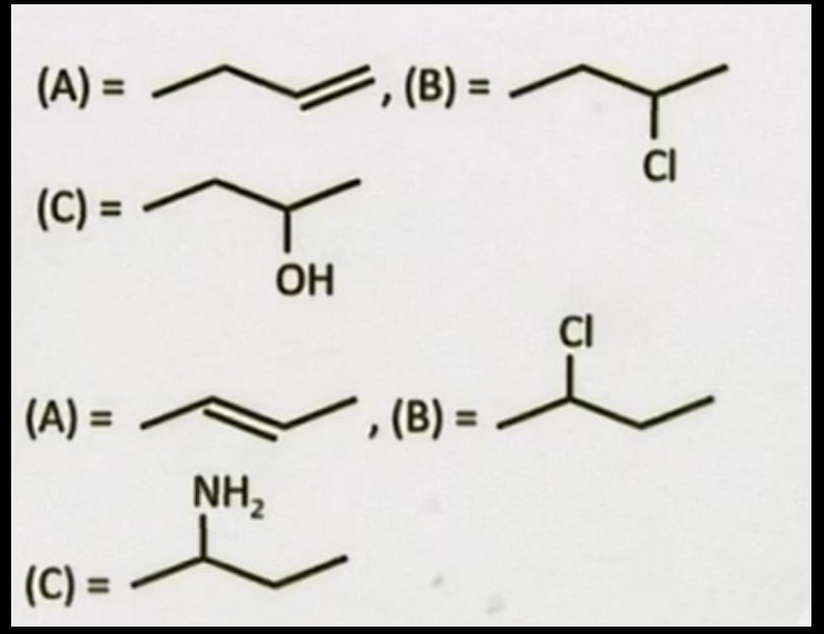
Which of the following is correct structure of A, B and C?

A



B

C



D

Ans. (D)