



# PAPER SOLUTION



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From Meerut

JEE  
MAIN  
2026

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# JEE MAIN 2026 ▶ LIVE PAPER DISCUSSION

**#Q. The plot of  $\log_{10} K$  vs  $\frac{1}{T}$  gives a straight line. The intercept and slope respectively are**

- A**  $c = \log A, m = -\frac{E_a}{2.303R}$
- B**  $c = -\frac{E_a}{2.303R}, m = \log A$
- C**  $c = -\log A, m = -\frac{E_a}{2.303R}$
- D**  $c = \log A, m = \frac{E_a}{2.303R}$

**Ans. (A)**



# JEE MAIN 2026 ▶ LIVE PAPER DISCUSSION

**#Q. Consider the following electromagnetic waves**

**Wavelength of A = 400nm**

**Frequency of B =  $10^{16}$  sec $^{-1}$**

**Wave number of C =  $10^4$  cm $^{-1}$**

**Order of energies is :**

- A** A > B > C
- B** B > A > C
- C** B > C > A
- D** C > A > B

**Ans. (B)**



# JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q. Which of the following order is correct.

- A** HF > HI > HBr > HCl (Boiling point)
- B** HF > HI > HBr > HCl (Melting point)
- C** HI > HF > HBr > HCl (Boiling point)
- D** HI > HBr > HF > HCl (Melting point)

Ans. (A)



# JEE MAIN 2026 LIVE PAPER DISCUSSION

**#Q. Consider a reaction  $A \rightleftharpoons B$ . At 'T' K, the equilibrium concentration of A and B are 0.3 M and 0.315 M. Now, 0.1 mol of A is added to the flask of 1 L, then equilibrium constant and equilibrium concentration of B are**

- A** 1.05, 0.35 M
- B** 0.95, 0.37 M
- C** 1.05, 0.37 M
- D** 0.95, 0.35 M

**Ans. (C)**



# JEE MAIN 2026 ▶ LIVE PAPER DISCUSSION

**#Q. The sum of valence  $e^-$  in element with most and least metallic character among the following is :**  
**N, P, Cl, S, O and F**

**Ans. (12)**



# JEE MAIN 2026 ▶ LIVE PAPER DISCUSSION

#Q. Match the isostructural species

- A** a—q, b—r, c—s, d —p
- B** a — p, b —q, c—s, d —p
- C** a —q, b—r, c— p, d —s
- D** a—p, b—q, c—r, d—s

	Column-I		Column-II
(a)	$\text{XeO}_3$	(p)	$\text{BrF}_5$
(b)	$\text{XeF}_2$	(q)	$\text{NH}_3$
(c)	$\text{XeO}_2\text{F}_2$	(r)	$\text{I}_3^-$
(d)	$\text{XeOF}_4$	(s)	$\text{SF}_4$

Ans. (A)



# JEE MAIN 2026 LIVE PAPER DISCUSSION

**#Q. In 'S' estimation, 0.314 g of organic compound gave 0.4813 g of barium sulphate. What is % of 'S' in organic compound? (Report to Nearest Integer).**

**Ans. (21)**



# JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q. Diamagnetic species among the following complexes is

- A**  $[\text{MnBr}_4]^{2-}$
- B**  $[\text{Cu}(\text{H}_2\text{O})_6]^{2+}$
- C**  $[\text{Ni}(\text{CN})_4]^{2-}$
- D**  $[\text{Ni}(\text{H}_2\text{O})_6]^{2+}$

Ans. (C)



# JEE MAIN 2026 ▶ LIVE PAPER DISCUSSION

**#Q. Correct statement about  $-\text{NO}_2$  group is**

- (A) Ring deactivating group in electrophilic substitution**
- (B) Ring activating group in electrophilic substitution**
- (C) Activating for aromatic nucleophilic substitution in Aryl halides**
- (D) Deactivating for aromatic nucleophilic substitution in Aryl halides.**

**A** A, C are correct statement

**B** B, D are correct

**C** A, D are correct

**D** B, C are correct

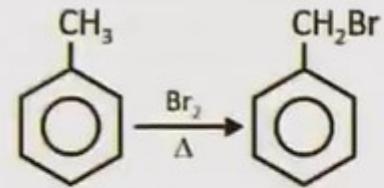
**Ans. (A)**



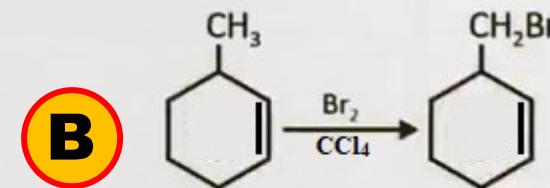
# JEE MAIN 2026 ▶ LIVE PAPER DISCUSSION

**#Q. The major organic product of which of the following reaction is incorrectly represented?**

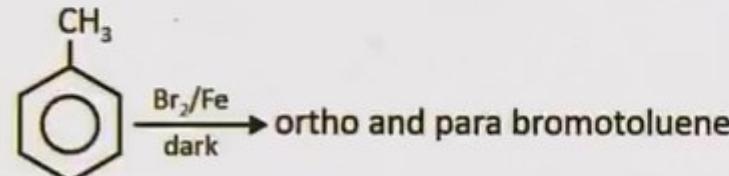
**A**



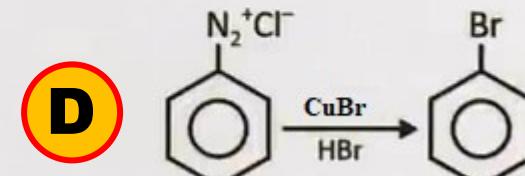
**B**



**C**



**D**



**Ans. (B)**



# JEE MAIN 2026 ▶ LIVE PAPER DISCUSSION

**#Q. Which of the following compounds on reacting with Hinsberg Reagent forms an alkali insoluble product.**

- (A) Ethanamine
- (B) N-Methylaniline
- (C) N-Ethyl-N-Methylaniline
- (D) N-Methylethanamine
- (E) N-Phenylaniline
- (F) Aniline

**A** A, C, D, E only

**B** B, C, D & E only

**C** B, D and E only

**D** A, C, F only

**Ans. (C)**



# JEE MAIN 2026 ▶ LIVE PAPER DISCUSSION

**#Q. Among  $\text{Sc}^{3+}$ ,  $\text{Cr}^{2+}$ ,  $\text{Mn}^{3+}$ ,  $\text{CO}^{3+}$  number of isoelectronic species are 'n'. 'n' moles of  $\text{AgCl}$  is obtained upon reaction with excess of  $\text{AgNO}_3$  with 1 mol of  $\text{Co}(\text{en})_2\text{NH}_3\text{Cl}_3$ . Number of  $t_{2g}$  electrons in the complex are**

**Ans. (6)**



# JEE MAIN 2026 LIVE PAPER DISCUSSION

#Q. An alpha particle and proton are accelerated in a discharge tube under same potential difference of 200 Kev. The debroglie wavelength of proton is  $x\sqrt{2}$  times of debroglie wavelength of  $\alpha$ -particle. The value of x is.

Ans. (2)