



PAPER SOLUTION

From Meerut

JEE MAIN 2026

JAN

28

SHIFT

2nd

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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)



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#Q. Which of the following order is correct.

- A** $\text{HF} > \text{HI} > \text{HBr} > \text{HCl}$ (Boiling point)
- B** $\text{HF} > \text{HI} > \text{HBr} > \text{HCl}$ (Melting point)
- C** $\text{HI} > \text{HF} > \text{HBr} > \text{HCl}$ (Boiling point)
- D** $\text{HI} > \text{HBr} > \text{HF} > \text{HCl}$ (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)



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#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)



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#Q. Match the isostructural species

	Column-I		Column-II
(a)	XeO_3	(p)	BrF_5
(b)	XeF_2	(q)	NH_3
(c)	XeO_2F_2	(r)	I_3^-
(d)	XeOF_4	(s)	SF_4

- 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

Ans. (A)



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#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)



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#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)



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- #Q.** Correct statement about —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

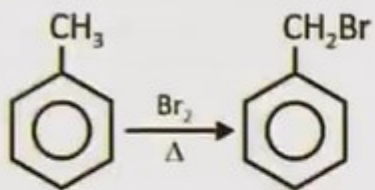
Ans. (A)



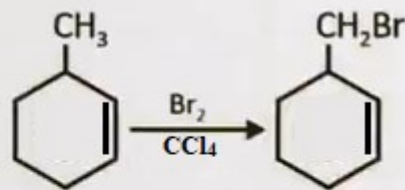
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#Q. The major organic product of which of the following reaction is incorrectly represented?

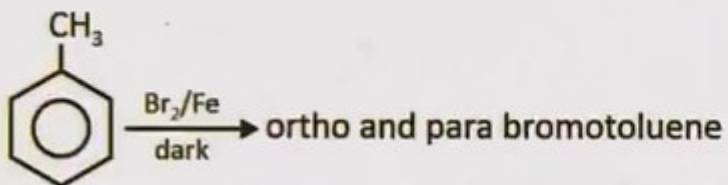
A



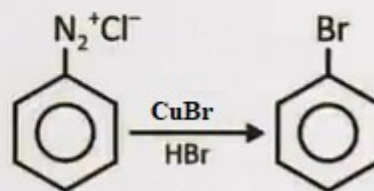
B



C



D



Ans. (B)



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#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)



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**#Q. Among Sc^{3+} , Cr^{2+} , Mn^{3+} , Co^{3+} number of isoelectronic species are 'n'.
'n' moles of AgCl is obtained upon reaction with excess of AgNO_3 with 1 mol of $\text{Co(en)}_2\text{NH}_3\text{Cl}_3$. Number of t_{2g} electrons in the complex are**

Ans. (6)



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#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 α -particle. The value of x is.

Ans. (2)