

JEE MAIN 23 JANUARY 2025 SHIFT 2

CHEMISTRY QUESTION PAPER WITH ANSWER KEY

Q.N 0.	Questions	Answers
1.	The correct order of melting point of 14 group element is (K)	C> Si> Ge>Pb> Sn
2.	What will be effect on pH of water it is heated	Decrease
3.	α -helix protein and β - pleated sheet protein belong from which of the following structure?	Secondary
4.	Match the following List I with list II List-I (Alloys) List-II (Metals) A. Bronze (i) Fe, Cr, and Ni B Stainless steel (ii) Cu and Sn C UK Gold Coin (iii) Cu and Zn D Brass (iv) Ag, Cu, Zn and Ni	A (ii) B (i) C (iv) D (iii)
5.	Which one of the following plots represents zero order reaction?	Rata Conc.
6.	By using relation $\Delta G = \Delta H - T\Delta S$ Which one of the following is incorrect for spontaneous reaction at a given temperature	ΔH>0 ΔS<0
7.	Statement I: For a particular shell, maximum number of orbital is n^2 Statement II: For d-subshell, number of orientations lies between -1 to +1 including zero	S-I and S-II both are correct
8.	The total number of isomers possible (aldehyde & ketones) for C_4H_8O are	3
9.	Q. $ \begin{array}{c} & (i) \text{ NaOH} \\ & High T \& P \\ & (i) H^{+} H_{2}O \\ & Predict A and B? \end{array} $, ⁴ , ∮
10.	Which of the following complex has a ¹⁴ configuration	$[MnF_6]^{3-}$
11.	Consider the given following reaction $X_2Y(S) _ X_2(g) + 1/2 Y_2(g)$. If α is the degree of dissociation, Calculate Kp in terms of P total pressure	$\frac{Kp=2P^{3/2}}{3^{3/2}}$



