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JEE Advanced 2027 chemistry

JEE Advanced 2027 Chemistry Chapter Wise Weightage

Which chapters bring the most JEE Advanced chemistry questions, from all 170 chemistry questions in the 10 papers (Paper 1 and Paper 2) of 2022 to 2026. JEE Advanced has far fewer questions than JEE Main, so read the counts as a guide, not a forecast.

By Sunil Kumar. Updated 20 November 2026.

The short answer

High weightage chapters: p-Block Elements: Groups 15 to 18 (13), Coordination Compounds (12), Chemical Bonding and Molecular Structure (11), Alcohols, Phenols and Ethers (11), Thermodynamics (10), Amines (10).

Questions per paper by branch, 2022 to 2026: Physical 6.1 (36%), Inorganic 4.9 (29%), Organic 6.0 (35%).

Numerical value questions: 75 of 170 since 2022.

JEE Advanced chemistry chapter wise weightage, 2022 to 2026

#	Chapter	Questions	Per paper	Share
1	p-Block Elements: Groups 15 to 18 Inorganic. Most asked: Phosphorus and its compounds	13	1.30	8%
2	Coordination Compounds Inorganic. Most asked: Isomerism	12	1.20	7%
3	Chemical Bonding and Molecular Structure Inorganic. Most asked: Molecular orbital theory	11	1.10	6%
4	Alcohols, Phenols and Ethers Organic. Most asked: Phenols: acidity and reactions	11	1.10	6%
5	Thermodynamics Physical. Most asked: Entropy and second law	10	1.00	6%
6	Amines Organic. Most asked: Multi-step conversions	10	1.00	6%
7	Electrochemistry Physical. Most asked: Conductance and Kohlrausch law	8	0.80	5%
8	Carboxylic Acids and Derivatives Organic. Most asked: Preparation of carboxylic acids	8	0.80	5%
9	Biomolecules Organic. Most asked: Reactions of glucose and fructose	8	0.80	5%
10	Solutions Physical. Most asked: van't Hoff factor and abnormal molar mass	7	0.70	4%
11	Chemical Kinetics Physical. Most asked: Graphs of rate and concentration	7	0.70	4%

#	Chapter	Questions	Per paper	Share
12	Hydrocarbons Organic. Most asked: Alkynes: preparation, acidity and reactions	7	0.70	4%
13	Structure of Atom Physical. Most asked: Bohr model and hydrogen spectrum	5	0.50	3%
14	Ionic Equilibrium Physical. Most asked: Common ion effect and precipitation	5	0.50	3%
15	Redox Reactions Physical. Most asked: Oxidation number	5	0.50	3%
16	General Organic Chemistry Organic. Most asked: Purification and analysis of organic compounds	5	0.50	3%
17	Haloalkanes and Haloarenes Organic. Most asked: Named reactions of halides	5	0.50	3%
18	States of Matter Physical. Most asked: Gas laws and ideal gas equation	4	0.40	2%
19	Surface Chemistry Physical. Most asked: Adsorption and isotherms	4	0.40	2%
20	d- and f-Block Elements Inorganic. Most asked: Compounds of transition metals	4	0.40	2%
21	Aldehydes and Ketones Organic. Most asked: Multi-step conversions	4	0.40	2%
22	Some Basic Concepts of Chemistry (Mole Concept) Physical. Most asked: Mole and molar mass	3	0.30	2%
23	Solid State Physical. Most asked: Density and unit cell calculations	3	0.30	2%
24	Isolation of Metals (Metallurgy) Inorganic. Most asked: Extraction of iron, copper, zinc and aluminium	3	0.30	2%
25	p-Block Elements: Groups 13 and 14 Inorganic. Most asked: Silicon, silicates and silicones	2	0.20	1%
26	Practical Chemistry Inorganic. Most asked: Quantitative estimation of elements	2	0.20	1%
27	Classification of Elements and Periodicity Inorganic. Most asked: Ionisation enthalpy	1	0.10	1%
28	Hydrogen Inorganic. Most asked: Hardness of water	1	0.10	1%
29	Polymers Organic. Most asked: Addition polymers	1	0.10	1%
30	Chemistry in Everyday Life Organic. Most asked: Chemicals in food	1	0.10	1%

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