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JEE MAIN · CHEMISTRY

Chemistry: chapter-wise weightage

Previous Year Questions: what to study first

31 chapters · **5,918** questions · **2002–2026**

Chapter PDFs with every question and answer, and step-by-step solutions: free in the EdLoop JEE app (Google Play) · pyq.edloop.in

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Chemistry chapters ranked by weightage

Weightage = a chapter's share of all Chemistry questions in 2019–2026. Questions and papers count every year we hold (2002–2026). Counts only; nothing here predicts a future paper.

#	Chapter	Weightage 2019–2026	Questions	Papers	Years
1	Coordination Compounds	6.3%	359	195	2002–2026
2	General Organic Chemistry	5.1%	289	162	2002–2026
3	Hydrocarbons	4.9%	287	166	2002–2026
4	p-Block Elements	4.8%	291	182	2002–2026
5	Chemical Bonding & Molecular Structure	4.7%	304	179	2002–2026
6	Aldehydes, Ketones & Carboxylic Acids	4.7%	265	158	2002–2026
7	Mole Concept & Stoichiometry	4.4%	253	181	2002–2026
8	d- and f-Block Elements	4.4%	249	161	2002–2026
9	Amines & Nitrogen Compounds	4%	220	160	2002–2026
10	Atomic Structure	3.9%	242	193	2002–2026
11	Chemical Kinetics	3.9%	235	198	2002–2026
12	Chemical Thermodynamics	3.8%	229	182	2002–2026
13	Electrochemistry	3.7%	228	180	2002–2026
14	Biomolecules	3.5%	207	183	2002–2026
15	Solutions	3.4%	199	177	2002–2026
16	Periodic Table & Periodicity	3.2%	182	154	2003–2026
17	Purification & Characterisation	3.1%	161	134	2004–2026
18	Alcohols, Phenols & Ethers	2.8%	168	119	2003–2026
19	Haloalkanes & Haloarenes	2.5%	149	116	2002–2026
20	Ionic Equilibrium	2.3%	153	120	2002–2026
21	s-Block Elements	2.3%	130	111	2002–2023
22	States of Matter	2.2%	169	136	2002–2024
23	Environmental Chemistry	2.2%	119	113	2003–2024
24	Surface Chemistry	2.1%	130	123	2002–2023
25	General Principles of Metallurgy	2.1%	124	116	2002–2023
26	Practical Chemistry & Qualitative Analysis	2.1%	113	94	2002–2026
27	Chemical Equilibrium	1.8%	124	105	2002–2026
28	Hydrogen	1.8%	95	87	2003–2023
29	Redox Reactions	1.4%	78	68	2002–2026
30	Polymers	1.3%	89	87	2002–2023
31	Chemistry in Everyday Life	1.3%	77	77	2002–2023

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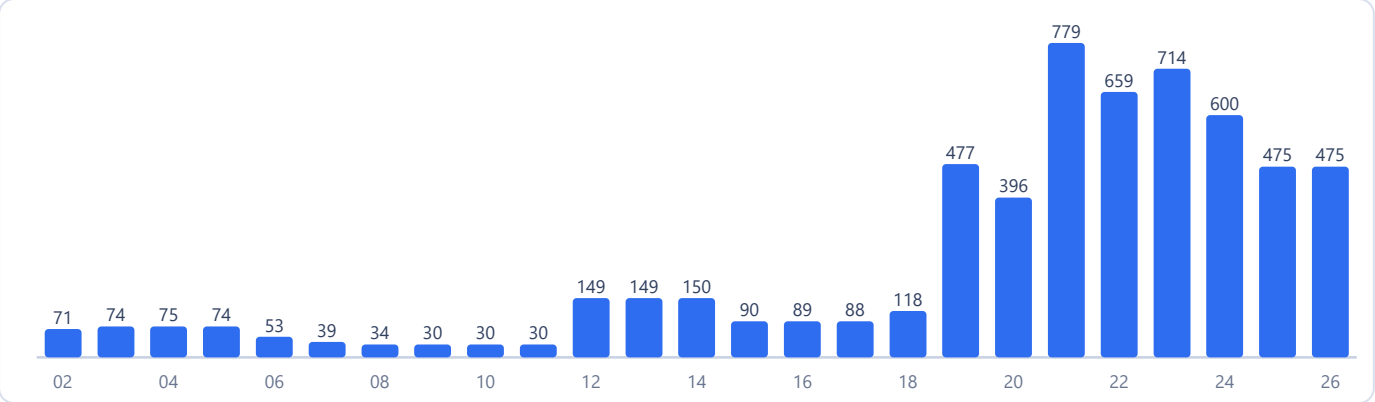
Chemistry questions per year



Questions we hold per year, all 31 chapters together (2002–2026). The number of papers held per year differs, so compare years with care.

Chapters asked every year, 2019–2026

Mole Concept & Stoichiometry
Atomic Structure
Chemical Bonding & Molecular Structure
Chemical Thermodynamics
Solutions
Chemical Equilibrium
Ionic Equilibrium
Redox Reactions
Electrochemistry
Chemical Kinetics
Periodic Table & Periodicity
p-Block Elements
d- and f-Block Elements
Coordination Compounds
Practical Chemistry & Qualitative Analysis
Purification & Characterisation
General Organic Chemistry
Hydrocarbons
Haloalkanes & Haloarenes
Alcohols, Phenols & Ethers
Aldehydes, Ketones & Carboxylic Acids
Amines & Nitrogen Compounds
Biomolecules

No questions in 2025–2026

States of Matter (last asked 2024)
Surface Chemistry (last asked 2023)
Hydrogen (last asked 2023)
s-Block Elements (last asked 2023)
General Principles of Metallurgy (last asked 2023)
Environmental Chemistry (last asked 2024)
Polymers (last asked 2023)
Chemistry in Everyday Life (last asked 2023)

Based on the questions we hold for those two years; a chapter missing here may simply have been left out of those papers.

Chapter PDFs

One PDF per chapter with every question and its answer: pyq.edloop.in/free-pdfs/

1. Mole Concept & Stoichiometry (253 questions)
2. Atomic Structure (242 questions)
3. Chemical Bonding & Molecular Structure (304 questions)
4. States of Matter (169 questions)
5. Chemical Thermodynamics (229 questions)
6. Solutions (199 questions)
7. Chemical Equilibrium (124 questions)
8. Ionic Equilibrium (153 questions)
9. Redox Reactions (78 questions)
10. Electrochemistry (228 questions)
11. Chemical Kinetics (235 questions)
12. Surface Chemistry (130 questions)
13. Periodic Table & Periodicity (182 questions)
14. Hydrogen (95 questions)
15. s-Block Elements (130 questions)
16. p-Block Elements (291 questions)
17. d- and f-Block Elements (249 questions)
18. Coordination Compounds (359 questions)

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19. General Principles of Metallurgy (124 questions)
20. Environmental Chemistry (119 questions)
21. Practical Chemistry & Qualitative Analysis (113 questions)
22. Purification & Characterisation (161 questions)
23. General Organic Chemistry (289 questions)
24. Hydrocarbons (287 questions)
25. Haloalkanes & Haloarenes (149 questions)
26. Alcohols, Phenols & Ethers (168 questions)
27. Aldehydes, Ketones & Carboxylic Acids (265 questions)
28. Amines & Nitrogen Compounds (220 questions)
29. Biomolecules (207 questions)
30. Polymers (89 questions)
31. Chemistry in Everyday Life (77 questions)

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