

## JENPAS(UG) Chemistry Analysis Report (2022–2024)

Pursue Analysis backed by a full comparative breakdown and predictive insights for 2025.

### Chemistry Question Summary: 2022–2024

Year	Total Chemistry Qs	Category-1 (1 mark)	Category-2 (2 marks)	Total Marks
2022	20	15	5	25
2023	20	15	5	25
2024	20	15	5	25
<b>Total</b>	<b>60</b>	<b>45</b>	<b>15</b>	<b>75</b>

 Chemistry section is stable with  $15 \times 1M + 5 \times 2M$  every year — 25 marks out of 115

### Chapter-wise Trends (NCERT Class 11 & 12)

#### Class 11 Chemistry Chapter-wise Distribution

Chapter Name	2022	2023	2024	Total
Some Basic Concepts of Chemistry	1	1	1	3
Structure of Atom	1	1	1	3
Classification of Elements	0	1	1	2
Chemical Bonding	1	1	1	3
States of Matter	1	0	0	1
Thermodynamics	1	1	1	3
Equilibrium	0	1	1	2
Redox Reactions	1	1	1	3
Hydrogen	1	0	0	1

The s-Block Element	1	1	1	3
Organic Chemistry Basics	1	0	1	2
Hydrocarbons	1	0	1	2
<b>Class 11 Total</b>	<b>10</b>	<b>8</b>	<b>10</b>	<b>28</b>

## Class 12 Chemistry Chapter-wise Distribution

Chapter Name	2022	2023	2024	Total
Solid State	1	1	1	3
Solutions	1	1	1	3
Electrochemistry	1	1	1	3
Chemical Kinetics	1	1	1	3
Surface Chemistry	1	1	1	3
Coordination Compounds	1	1	1	3
p-Block Elements	1	1	1	3
d & f Block	1	1	0	2
Haloalkanes & Haloarenes	1	0	1	2
Alcohols, Phenols & Ethers	1	1	1	3
Aldehydes, Ketones & Acids	1	1	1	3
Biomolecules	0	1	0	1
Polymers	0	1	1	2
Chemistry in Everyday Life	0	1	1	2
<b>Class 12 Total</b>	<b>12</b>	<b>13</b>	<b>12</b>	<b>37</b>

## Top Repeated Chapters (2022–2024)

Rank	Chapter Name	Total Qs
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1	Alcohols, Phenols & Ethers	3
2	Electrochemistry	3
3	Coordination Compounds	3
4	Thermodynamics	3
5	Chemical Bonding	3
6	Chemical Kinetics	3
7	Solid State	3
8	p-Block Elements	3

✓ Most of these chapters appeared **once every year** — high predictive value for 2025.

## Predictive Blueprint for JENPAS(UG) 2025 – Chemistry

### 1. Question Format Forecast

Aspect	Likely Pattern in 2025
Total Questions	20
Category-1 Qs	15
Category-2 Qs	5
Total Marks	25
Class 12 Focus	~11–12 Qs
Class 11 Focus	~8–9 Qs

### 2. High-Priority Chapters for 2025

Chapter	Reason It's Highly Likely in 2025
<b>Electrochemistry</b>	Conceptual, numerical + theory mix
<b>Coordination Compounds</b>	Regularly asked, MCQ-friendly

<b>Alcohols, Phenols, Ethers</b>	Organic focus, high repeat count
<b>Chemical Bonding</b>	Visual logic + bond theory
<b>Thermodynamics</b>	Interdisciplinary, logical
<b>Aldehydes, Ketones, Acids</b>	Application & reaction-focused
<b>Solid State / Solutions</b>	Numericals with high scoring ease

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### 3. Underutilized Chapters Likely to Resurface in 2025

Chapter	Why It May Reappear
<b>Biomolecules</b>	Appeared once, skipped in 2024
<b>Haloalkanes / Haloarenes</b>	Low but essential presence
<b>Hydrocarbons / Isomerism</b>	Organic fundamentals
<b>Redox Reactions / Equilibrium</b>	High value, skipped in 2023
<b>States of Matter</b>	Zero questions in 2023–24

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### Chemistry Paper Philosophy (Examiner View)

Design Theme	Purpose
<b>NCERT-Strict</b>	No out-of-book logic or formulas
<b>Mix of Reaction &amp; Reasoning</b>	Factual + application + exception logic
<b>Mild Numericals</b>	2–3 questions max (solutions, K <sub>p</sub> /K <sub>c</sub> , mole)
<b>1 Question from "Daily Chemistry"</b>	Everyday Life / Biomolecules / Polymers

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### Success Strategy for JENPAS Chemistry 2025

#### For Students

Strategy	Why It's Effective
Targeted NCERT Line Reading	Many MCQs are direct-lift (esp. Organic)
Reaction Table Mapping	Master name reactions, oxidants, conversions
Formula Drill Cards	For mole concept, K <sub>p</sub> -K <sub>c</sub> , Raoult's law, etc.
Organic Flowcharts Practice	Streamlines functional group conversions

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