

43 JEE Main Chemistry Online 2024 Offline 2024 2002 Chapter Wise Topic Wise

The Joint Entrance Examination (JEE) Main is one of the most competitive entrance exams in India. Chemistry is one of the three subjects that are tested in the JEE Main exam. The Chemistry section of the JEE Main exam consists of both objective and subjective questions. The objective questions are multiple-choice questions (MCQs), while the subjective questions are numerical answer type (NAT) questions.



43 JEE Main Chemistry Online (2019-2024) & Offline (2018-2002) Chapter-wise + Topic-wise Solved Papers

3rd Edition by Disha Experts

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The JEE Main Chemistry syllabus is vast and covers a wide range of topics. In order to score well in the JEE Main Chemistry exam, it is important to have a clear understanding of the syllabus and the weightage of each topic.

This article provides a comprehensive overview of the 43 JEE Main Chemistry chapters. It includes a detailed topic-wise and chapter-wise

analysis of the JEE Main Chemistry syllabus for the Online 2024, Offline 2024, and 2002 examinations.

JEE Main Chemistry Syllabus

The JEE Main Chemistry syllabus is divided into three sections:

*** Physical Chemistry* Inorganic Chemistry* Organic Chemistry**

The following table shows the distribution of chapters across the three sections:

I Section	I Number of Chapters	I ---I---I---I	I Physical Chemistry	I 15	I I
	Inorganic Chemistry	I 14	I I	Organic Chemistry	I 14

The weightage of each section in the JEE Main Chemistry exam is as follows:

I Section	I Weightage	I ---I---I---I	I Physical Chemistry	I 40%	I I
	Inorganic Chemistry	I 30%	I I	Organic Chemistry	I 30%

JEE Main Chemistry Important Topics

The following are some of the most important topics in JEE Main Chemistry:

*** Physical Chemistry:** * Mole concept and stoichiometry * Thermodynamics * Chemical equilibrium * Electrochemistry * Surface chemistry * **Inorganic Chemistry:** * Periodic table and periodicity * Chemical bonding * Coordination compounds * Metallurgy * **Organic**

Chemistry: * IUPAC nomenclature * Isomerism * Reaction mechanisms *
Organic synthesis

JEE Main Chemistry Chapter-wise Analysis

The following table provides a chapter-wise analysis of the JEE Main Chemistry syllabus:

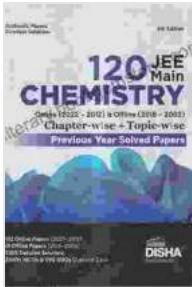
Chapter	Physical Chemistry	Inorganic Chemistry	Organic Chemistry
1	Units and Measurements	Some Basic Concepts of Chemistry	General and IUPAC Nomenclature of Organic Compounds
2	Mole Concept and Stoichiometry	Structure of Atom	Isomerism in Organic Compounds
3	Gaseous State	Classification of Elements and Periodicity in Properties	Purification and Characterization of Organic Compounds
4	Thermodynamics	Chemical Bonding and Molecular Structure	Reaction Mechanisms of Organic Compounds
5	Chemical Equilibrium	States of Matter	Alkyl Halides
6	Electrochemistry	p-Block Elements	Alcohols, Phenols and Ethers
7	Chemical Kinetics	d- and f-Block Elements	Aldehydes, Ketones and Carboxylic Acids
8	Surface Chemistry	Coordination Compounds	Amines
9	Nuclear Chemistry	Environmental Chemistry	Biomolecules
10	Coordination Compounds	Biomolecules	Chemistry in Everyday Life
11	Haloalkanes and Haloarenes	Haloalkanes and Haloarenes	
12	Solid State	Alcohols, Phenols and Ethers	
13	Solutions	Aldehydes, Ketones and Carboxylic Acids	
14	Electrochemistry	Amines	
15	Surface Chemistry	Biomolecules	

JEE Main Chemistry Topic-wise Analysis

The following table provides a topic-wise analysis of the JEE Main Chemistry syllabus:

| Topic | Physical Chemistry | Inorganic Chemistry | Organic Chemistry | |---
|---|---|---| | Mole concept and stoichiometry | Units and Measurements |
Some Basic Concepts of Chemistry | General and IUPAC Nomenclature of
Organic Compounds | | Thermodynamics | Gaseous State | Structure of
Atom | Isomerism in Organic Compounds | | Chemical equilibrium |
Chemical Equilibrium | Classification of Elements and Periodicity in
Properties | Purification and Characterization of Organic Compounds | |
Electrochemistry | Electrochemistry | Chemical Bonding and Molecular
Structure | Reaction Mechanisms of Organic Compounds | | Surface
chemistry | Surface Chemistry | States of Matter | Alkyl Halides | |
Coordination compounds | Coordination Compounds | p-Block Elements |
Alcohols, Phenols and Ethers | | Nuclear chemistry | Nuclear Chemistry | d-
and f-Block Elements | Aldehydes, Ketones and Carboxylic Acids | |
Biomolecules | Biomolecules | Coordination Compounds | Amines | |
Environmental chemistry | Environmental Chemistry | Biomolecules |
Biomolecules | | Chemistry in everyday life | Chemistry in Everyday Life |
Haloalkanes and Haloarenes | Chemistry in Everyday Life | | Solid state |
Solid State | Alcohols, Phenols and Ethers | Haloalkanes and Haloarenes | |
Solutions | Solutions | Aldehydes, Ketones and Carboxylic Acids | Alcohols,
Phenols and Ethers | | Haloalkanes and haloarenes | Haloalkanes and
Haloarenes | Amines | Aldehydes, Ketones and Carboxylic Acids |

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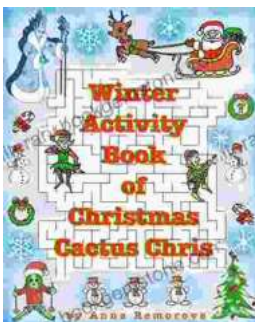
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