

# JEE Main Syllabus 2023 - Paper 1

The JEE Main 2023 syllabus for Paper 1 (BE/BTech) is Physics, Chemistry and Mathematics. The syllabus is mapped from NCERT books of Class 11 and Class 12. Candidates will need to be familiar with the compiled syllabus along with the weightage of chapters and important topics to maximize their score. The table below has details on different topics under each subject of JEE Main 2023 Syllabus

## JEE Main Syllabus 2023 for Physics

Physics is one of the most important section in the JEE Main Syllabus 2023. There are 2 sections in the paper, Section A and B. Section A will have theory based MCQs and Section B will contain practical questions.

- There are two sections: A & B.
- While Section A has 80% weightage, Section B has 20% weightage

### Section A Theory

Physics and Measurements

Kinetic Theory of Gases

Thermodynamics

Properties of Liquids and Solids

Gravitation and Rotational Motion

Work, Energy & Power

Laws of Motion

Oscillations & Waves

Alternating Currents and Electromagnetic Induction

Radiation and Dual Nature of Matter

### Section B Experimental Skills

Venier Callipers - its application to measure inner and outer diameter and depth

Screw Gauge - its application to determine diameter of wire and thin sheets

Simple Pendulum - dissipation of energy and mapping a graph in relation with square of amplitude and time

Metre Scale - measure the mass of any object .

Young's Modulus of elasticity of the metallic wire's material

Surface tension of liquid (water) by capillary rise and effects of detergents

Co-efficient of Viscosity of a specified viscous liquid by measuring terminal velocity of a specified spherical body

Plotting a cooling curve for the relationship between the temperature of a hot body and time

Speed of sound in air at room temperature using a resonance tube

Specific heat capacity of any given (1) solid and (2) liquid by mixing methods

Nuclei and Atoms	The resistivity of the material of a given wire using a meter bridge
Electronic Devices	Ohm's Law - resistance of a given wire
Electrostatics	Potentiometer - Comparison of emf of two primary cells and determination of internal resistance of a cell
Current Electricity	Resistance and figure of merit of a galvanometer by half deflection method
Electromagnetic Waves	Focal Length of (i) Convex Mirror (ii) Concave Mirror (iii) Convex Lens
Optics	The plot of the angle of deviation vs angle of incidence for a triangular prism
Communication Systems	A p-n junction diode's characteristic curves in forward and reverse bias
Magnetic Effects of Current and Magnetism	Refractive index of a glass slab using a travelling microscope A Zener diode's characteristic curves and determining reverse break down voltage A transistor's characteristic curves and determining current gain and voltage gain Diode identification. LED and transistor. IC. Resistor. A capacitor from a random assortment of similar objects
Kinematics	Making use of a multimeter to: I Determine the transistor's base. (ii) Differentiate between NPN and PNP transistors. (iii) Consider the unidirectional current of a diode and an LED. (iv) Determine the accuracy or otherwise of a certain electrical component (diode, transistor, or IC)

**Also Read:** [How to prepare for JEE Main Physics 2023? Experts tip to crack the section](#)

## JEE Main 2023 Syllabus for Mathematics

The JEE Main Syllabus 2023 Mathematics section comprises of 2 sections A and B, where section A consists of MCQs and in Section B candidates can choose any 5 questions out of the 10 given and they need to do the calculations and enter a final numerical digit. Section A contains negative marking. The detailed JEE Main syllabus 2023 is as follows -

Quadratic Equations & Complex Numbers	Sets, Relations & Functions
Determinants & Matrices	Binomial Theorem & its Simple Applications
Permutations & Combinations	Mathematical Induction
Series & Sequences	Continuity & Differentiability, Limit
Integral Calculus	Coordinate Geometry
Probability & Statistics	3 Dimensional Geometry
Vector Algebra	Trigonometry
Mathematical Reasoning	Differential Equations

**Note:** [JEE Main 2023 Mathematics Preparation Tips & Tricks](#)

## JEE Main Syllabus 2023 for Chemistry

The Chemistry syllabus of JEE Main 2023 is divided into 3 sections and will contain numerical and theoretical questions. The entire JEE Main 2023 syllabus chemistry is spread across the 3 sections:

- Section A Physical Chemistry
- Section B Inorganic Chemistry
- Section C Organic Chemistry

<b>Section A: Physical Chemistry</b>	<b>Section B: Inorganic Chemistry</b>	<b>Section C: Organic Chemistry</b>
Basic concepts in Chemistry	Environmental Chemistry	Hydrocarbons
Molecular Structure & Chemical Bonding	Coordination Compounds	Bio-Molecules
The States of Matter Electrochemistry & Redox Reactions	Block Elements: d-,f-Hydrogen	Polymers Organic Compounds Containing Halogens

Chemical Kinetics	Process of Isolation of Metals & General Principles.	Basic Principles of Organic Chemistry
Surface Chemistry	Classification of Elements & Periodicity in Properties	Characterisation of Organic Compounds & Purification
Equilibrium	S- Block Elements: Alkali and Alkaline Earth Metals	Principles Related to Experimental (practical) Chemistry
Atomic Structure	P-Block Elements	Organic Compounds Containing Oxygen
Chemical Thermodynamics		Organic Compounds Containing Nitrogen
Solutions		Chemistry in Everyday Life

**Read: [How to prepare for JEE Main 2023 Chemistry? - Experts tips to score maximum marks](#)**

## JEE Main 2023 - Previous Years Question Paper

Candidates can see past year JEE Main question papers to learn about various elements of the test such as subjects covered, difficulty level of the examination, chapter-wise weightage, and much more. Solving previous year's JEE Main question papers is an incredibly important and valuable study tool for effectively preparing for the national level entrance test. Students may generally obtain and practise previous year's question papers from the official website. However, Embibe has streamlined the procedure. We offer a big collection of [JEE Main 2023 previous question papers](#), including year-specific questions, so that applicants may access them all in one location.

### Quick Links:

[JEE Main Result 2023](#)

[JEE Main College Predictor 2023](#)

[JEE Main Rank Predictor 2023](#)

## JEE Main 2022 Syllabus Paper 1 (BE/BTech)

The JEE Main 2022 syllabus for Paper 1 (BE/BTech) is Physics, Chemistry and Mathematics. The syllabus is mapped from NCERT books of Class 11 and

Class 12. Candidates will need to be familiar with the compiled syllabus along with the weightage of chapters and important topics to maximize their score. The table below has details on different topics under each subject of JEE Main 2022 Syllabus

Subjects	Units
<b>Mathematics</b>	Sets relations & functions - Complex number - Quadratic equations - Matrices - Mathematical reasoning - Mathematical induction - Permutations and combinations - Sequence and series - Limits - Differentiability and continuity - Differential equations - Integral calculus - Three-dimensional geometry - Vector algebra - Coordinate geometry - Statistics and probability - Trigonometry
<b>Physics</b>	Kinematics - Thermodynamics - Work, energy and power - Rotational motion - Gravitation - Laws of motion - Properties of solids and liquids - Electronic devices - Atoms and nuclei - Kinetic theory of gases - Oscillations and waves - Communication systems - Current electricity - Magnetic effects of current and magnetism - Electromagnetic induction and alternating currents - Electromagnetic waves - Optics - Dual nature of matter and radiation - Electrostatics
<b>Chemistry</b>	Atomic structure - Chemical bonding and molecular structure - Chemical thermodynamics - Solutions - Equilibrium - Surface chemistry - Hydrocarbons - Everyday life chemistry - Organic compounds containing halogens - Organic compounds containing oxygen - Biomolecules - Classification of elements and periodicity in properties - Block elements - Block elements groups - Environmental chemistry

## JEE Main 2023 Mathematics - Best Books

Preparations can be optimized by utilising these books and understanding the core topics. Candidates will get familiar with the JEE Main Syllabus 2023 Mathematics by reading and applying the given books.

Book title	Author/ Publication
Objective Mathematics	R D Sharma
Course in Mathematics Course in Mathematics for IIT JEE	Tata Graw Hill
36 Years Chapterwise Solved Papers	Arihant
NCERT for Class 11 and 12	NCERT
Differential Calculus	Amit M Agarwal

# JEE Main 2023 Chemistry - Best Books

The JEE Main Syllabus 2023 for Chemistry subject must be understood clearly to score good marks. Candidates will be able to crack the Chemistry section of JEE Main 2023 by utilising the books mentioned below.

<b>Book titles</b>	<b>Author/Publication</b>
Modern Approach to Chemical calculations	R.C Mukherjee
Organic Chemistry	OP Tandon
Concept of Physical Chemistry	P Bahadur
NCERT Books for Class 11 and 12	NCERT
Concise Inorganic Chemistry	J D Lee

## JEE Main Syllabus for Paper 2B (BPlan)

Candidates willing to attempt JEE Main Paper 2B can now check the syllabus here. Paper 2B consists of Mathematics, Aptitude and Planning. The mathematics section is similar to that of Paper 1 whereas the Aptitude is same as BArch.

<b>Sections</b>	<b>Topics</b>
<b>General Awareness</b>	General knowledge questions regarding prominent cities, government programs and development issues  Nationalism in India, Idea of Nationalism, Industrialization, Resource and Development, Natural economy, Human settlements
<b>Social Science</b>	Democracy, Power sharing, Constitution of India  Economic development - globalization, economic sector, social exclusion, rural development, colonial cities
<b>Thinking Skills</b>	Map reading skills, Comprehension, scale, distance, direction, graphs and tables, basic concepts of statistics and quantitative reasoning

# JEE Main Exam Pattern 2023 - Paper 2A & 2B

Candidates must understand the exam pattern and JEE Main Syllabus 2023. The exam pattern of JEE Main 2023 Paper 2 found can be found in the table below.

Particulars	Details
JEE Main 2023 Paper 2 Mode	Computer Based Test
Exam Duration	3 hours
Subjects	Mathematics, General Aptitude, & Drawing (BArch.) or Planning (BPlan.)
Total Number of Questions	<ul style="list-style-type: none"><li>• BArch: 82 (30 Maths + 50 Aptitude + 2 Drawing )</li><li>• BPlan: 105 (30 Maths + 50 Aptitude + 25 Planning)</li></ul>
Question Type	<ul style="list-style-type: none"><li>• 20 MCQs and 10 Numerical Questions for Maths</li><li>• 50 MCQs for Aptitude</li><li>• 25 MCQs for Planning (Planning only)</li><li>• 2 Drawing Questions for Drawing (Architecture only).</li></ul>
Maximum Marks	400
Marking Scheme	<ul style="list-style-type: none"><li>• Correct answer will carry 4 marks</li><li>• Incorrect answer deducts 1 marks</li><li>• Unanswered - 0 marks</li><li>• Drawing 2 questions total of 100 marks</li></ul>
Languages	English, Hindi, Gujarati, Assamese, Bengali, Kannada, Malayalam, Marathi, Odia, Punjabi, Tamil, Telegu and Urdu.

# JEE Main Syllabus 2023

**JEE Main 2023 syllabus** is the same as previous years. The National Testing Agency (NTA) has released the JEE Main 2023 Syllabus to help students prepare for the exam. JEE Main syllabus PDF 2023 is available in the official brochure at [jeemain.nta.nic.in](http://jeemain.nta.nic.in). The JEE Mains syllabus 2023 includes all of the topics included in the exam and its weightage. [nta.jee main.nic.in](http://nta.jee.main.nic.in) JEE exam consists of two papers: paper 1 and paper 2. Before moving forward with JEE Main syllabus information, do you know **What is the Full Form of JEE?**

## **JEE Main 2023 Syllabus With Weightage PDF Download**

**Syllabus for JEE Mains 2023 Paper 1 (B.E./B.Tech)** includes topics from three disciplines: physics, chemistry, and mathematics. JEE Main syllabus 2023 for Paper 2A ( BArch) and 2B (BPlan) tests the candidate's aptitude and drawing ability. Numerous JEE Main syllabus topics are also covered in the NCERT Syllabus for Classes 11 and 12. As a result, aspirants wishing to have a solid [JEE Main 2023 preparation](#) must have a solid comprehension of the concepts covered in the NCERT textbooks for Class 11 and 12.

This page provides an overview of the JEE Main 2023 syllabus (as defined by the [nta.jee main.nic.in](http://nta.jee.main.nic.in)). The main topics are also included, together with their weightage in terms of marks.

### **Related Articles**

[How to prepare for JEE Main Physics 2023?](#)

[JEE Main 2023 Physics Syllabus, Chapter-wise topics with weightage](#)

[How to prepare for JEE Main 2023 Chemistry?](#)

[JEE Main Chemistry 2023 Syllabus Chapter-wise topics with weightage](#)

[JEE Main 2023 Mathematics Preparation Tips & Tricks](#)

[JEE Main 2023 Mathematics Syllabus, Chapter-wise topics with weightage](#)

[JEE Main B.Arch and B.Plan Syllabus](#)

[JEE Main 2023 BArch Drawing Section Questions](#)



# JEE Main 2023 Syllabus for Paper 2A (B.Arch)

Syllabus for JEE Main 2023 Paper 2A, on the other hand, is divided into Mathematics, Aptitude Test & Drawing Test. The Mathematics section is similar to Paper 1. Candidates will need to bring pencils, color pencil, crayon for this examination.

Sections	Topics
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<b>Part 1 - Aptitude test</b>	Awareness - persons, buildings, materials, objects - Texture related to architecture - Visualizing three-dimensional objects from two-dimensional drawings - Analytical reasoning mental ability
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	Three-dimensional perception - Understanding and appreciation of scale and proportion of objects, forms and elements, textures, contrast and harmony
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<b>Part 2 - Aptitude test</b>	Design of geometrical and abstract shapes and drawing patterns with pencils.
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	Transforming three and two dimensional forms. Union, subtraction, rotation, development of surfaces and volumes, Generation of Plan, elevations, and 3 D views of objects.
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	Creating two-dimensional and three-dimensional compositions using given shapes and forms.
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<b>Part 3 - Drawing test</b>	Sketching of scenes and activities from memory of urban landscape (public space, market, festivals, street scenes, monuments, recreational spaces, etc.), landscape (river fronts, jungles, trees, plants, etc.), and rural life.
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## JEE Main Syllabus 2023 for Paper 2B (BPlan)

Candidates willing to attempt JEE Main Paper 2B can now check the syllabus here. Paper 2B consists of Mathematics, Aptitude and Planning. The mathematics section is similar to that of Paper 1 whereas the Aptitude is same as BArch.

Sections	Topics
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<b>General Awareness</b>	General knowledge questions regarding prominent cities, government programs and development issues
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**Social  
Science**

Nationalism in India, Idea of Nationalism, Industrialization, Resource and Development, Natural economy, Human settlements

Democracy, Power sharing, Constitution of India

Economic development - globalization, economic sector, social exclusion, rural development, colonial cities

**Thinking  
Skills**

Map reading skills, Comprehension, scale, distance, direction, graphs and tables, basic concepts of statistics and quantitative reasoning

## JEE Mains Syllabus Previous Year Analysis

By analyzing the previous year JEE Main syllabus we can understand how this year's syllabus has been modified. The main subjects and important topics have remained the same. The JEE Main physics questions were more calculative than theoretical. Overall, the part was of moderate difficulty and duration. Chemistry was the easiest of the three areas, with a difficulty curve that was quite comparable to last year. The questions were more theoretical and direct, making this segment the quickest to complete. The mathematics component was deemed the most difficult due to its length. The general complexity of JEE Main syllabus questions ranged from simple to moderate. Candidates can have a thorough grasp of the [JEE Main paper analysis](#).

## JEE Main 2023 Best Books

Choosing the [JEE Main best books 2023](#) might be a difficult challenge for students because there are several books available on the market for each topic, each claiming to be better than the other. Students should choose books for JEE Main preparation 2023 that are easy to grasp and offer a large number of examples and numerical problems. The best books for JEE Main 2023 has been listed below

- For physics some of the best books in the market are NCERT textbooks of class 11 and 12, Concepts of Physics by HC Verma, Fundamentals of Physics by Halliday, Resnik and Walker and Problems in Physics by AA Pinsky
- Some of the best books available for Mathematics are Objective Mathematics by RD Sharma, 36 years chapter-wise solved papers by Arihant and NCERT textbooks for Class 11 and 12

- There are multiple books available for Chemistry and the best ones are Modern approach to Chemical calculations by RC Mukherjee, Organic Chemistry by AP Tandon and NCERT books for Class 11 and 12

**Also Read:** [JEE Main 2023 Predicted Questions: Important Expected Questions](#)

## JEE Main Exam Pattern 2023

There is a separate [JEE Main 2023 exam pattern](#) for both Paper 1 and Paper 2. The JEE Main exam pattern 2023 includes the total number of questions, the total number of marks, the kind of questions, the examination style, the marking scheme, and other information.

The JEE Main exam will be conducted as a CBT exam for 3 hours. The total number of sections in the papers is three. JEE Main 2023 Paper 1 has Physics, Chemistry and Mathematics chapters whereas Paper 2 has Mathematics, Aptitude and Drawing/Planning. The JEE Main 2023 Btech paper is for a total of 300 marks and each section contains 30 questions out of which 25 are mandatory. The JEE Main 2023 Paper 2A and 2B is for a total of 400 marks, Mathematics is similar to Paper 1, whereas the Drawing section will have 2 questions for a total of 50 marks and the Planning section will have 25 questions for a total of 100 marks.

**Also Read:** [JEE Main 2023 Paper Solving Strategy](#)

## JEE Main Syllabus 2023: Physics

Physics is one of the most important section in the JEE Main Syllabus 2023. There are 2 sections in the paper, Section A and B. Section A will have theory based MCQs and Section B will contain practical questions.

- There are two sections: A & B.
- While Section A has 80% weightage, Section B has 20% weightage

### Section A Theory

Physics and Measurements

Kinetic Theory of Gases

Thermodynamics

### Section B Experimental Skills

Venier Callipers - its application to measure inner and outer diameter and depth

Screw Gauge - its application to determine diameter of wire and thin sheets

Simple Pendulum - dissipation of energy and mapping a graph in relation with square of amplitude and time

Properties of Liquids and Solids	Metre Scale - measure the mass of any object .
Gravitation and Rotational Motion	Young's Modulus of elasticity of the metallic wire's material
Work, Energy & Power	Surface tension of liquid (water) by capillary rise and effects of detergents
Laws of Motion	Co-efficient of Viscosity of a specified viscous liquid by measuring terminal velocity of a specified spherical body
Oscillations & Waves	Plotting a cooling curve for the relationship between the temperature of a hot body and time
Alternating Currents and Electromagnetic Induction	Speed of sound in air at room temperature using a resonance tube
Radiation and Dual Nature of Matter	Specific heat capacity of any given (1) solid and (2) liquid by mixing methods
Nuclei and Atoms	The resistivity of the material of a given wire using a meter bridge
Electronic Devices	Ohm's Law - resistance of a given wire
Electrostatics	Pontiometer - Comparision of emp of two primary cells and determination of internal resistance of a cell
Current Electricity	Resistance and figure of merit of a galvanometer by half deflection method
Electromagnetic Waves	Focal Length of (i) Convex Mirror (ii) Concave Mirror (iii) Convex Lens
Optics	The plot of the angle of deviation vs angle of incidence for a triangular prism
Communication Systems	A p-n junction diode's characteristic curves in forward and reverse bias
Magnetic Effects of Current and Magnetism	Refractive index of a glass slab using a travelling microscope
	A Zener diode's characteristic curves and determining reverse break down voltage
	A transistor's characteristic curves and determining current gain and voltage gain
	Diode identification. LED and transistor. IC. Resistor. A capacitor from a random assortment of similar objects
Kinematics	

Making use of a multimeter to:

- (i) Determine the transistor's base.
- (ii) Differentiate between NPN and PNP transistors.
- (iii) Consider the unidirectional current of a diode and an LED.
- (iv) Determine the accuracy or otherwise of a certain electrical component (diode, transistor, or IC)

# JEE Main 2023 Syllabus: Chemistry

The Chemistry syllabus of JEE Main 2023 is divided into 3 sections and will contain numerical and theoretical questions. The entire JEE Main 2023 syllabus chemistry is spread across the 3 sections:

- Section A Physical Chemistry
- Section B Inorganic Chemistry
- Section C Organic Chemistry

## Section A: Physical Chemistry

Basic concepts in Chemistry

Molecular Structure & Chemical Bonding

The States of Matter  
Electrochemistry & Redox Reactions

Chemical Kinetics

Surface Chemistry

Equilibrium

Atomic Structure

Chemical Thermodynamics

## Section B: Inorganic Chemistry

Environmental Chemistry

Coordination Compounds

Block Elements: d-,f-  
Hydrogen

Process of Isolation of Metals & General Principles.

Classification of Elements & Periodicity in Properties

S- Block Elements: Alkali and Alkaline Earth Metals

P-Block Elements

## Section C: Organic Chemistry

Hydrocarbons

Bio-Molecules

Polymers  
Organic Compounds Containing Halogens

Basic Principles of Organic Chemistry

Characterisation of Organic Compounds & Purification

Principles Related to Experimental (practical) Chemistry

Organic Compounds Containing Oxygen

Organic Compounds Containing Nitrogen

# JEE Main Syllabus 2023: Mathematics

The JEE Main 2023 Syllabus Mathematics section comprises of 2 sections A and B, where section A consists of MCQs and in Section B candidates can choose any 5 questions out of the 10 given and they need to do the calculations and enter a final numerical digit. Section A contains negative marking. The detailed JEE Main syllabus 2023 is as follows -

Quadratic Equations & Complex Numbers

Sets, Relations & Functions

Determinants & Matrices

Binomial Theorem & its Simple Applications

Permutations & Combinations

Mathematical Induction

Series & Sequences

Continuity & Differentiability, Limit

Integral Calculus

Coordinate Geometry

Probability & Statistics

3 Dimensional Geometry

Vector Algebra

Trigonometry

Mathematical Reasoning

Differential Equations

## JEE Main Syllabus 2023 PDF Download

Candidates can get the syllabus for JEE Mains 2023 using the direct link provided below. Download JEE syllabus 2023 pdf for Paper 1 and Paper 2. Candidates may download and print the JEE Main syllabus 2023 to learn about the subjects that will be included in the JEE Main - Admissions Test.

**Paper 1**  
[Physics](#)

**Paper 2A**  
[Mathematics](#)

**Paper 2B**  
[Mathematics](#)

Quick Link: [JEE Main 2023 Numerical Answer Type Questions](#)

# Important Topics & Weightage of JEE Main 2023

The weightage of each subject in the JEE Main syllabus 2023 varies, and it is essential for aspirants to have a thorough understanding of the topics and their respective weightage to prepare effectively for the exam.

## JEE Main Syllabus 2023 Physics Important Topics & Weightage

- **Electrostatics** – 1 Question (3.3% Weightage in the paper)
- **Current Electricity** – 3 Questions (9.9% Weightage)
- **Capacitors** – 1 Question (3.3% Weightage)
- **Magnetic Effect of Current and Magnetism** – 2 Questions (6.6% Weightage)
- **Alternating Current** – 2 Questions (6.6% Weightage)
- **Kinetic Theory of Gases & Thermodynamics** – 2 Questions (6.6% Weightage)
- **Simple Harmonic Motion** – 1 Question (3.3% Weightage)
- **Sound Waves** – 1 Question (3.3% Weightage)
- **Kinematics** – 2 Questions (6.6% Weightage)
- **Work, Energy, and Power** – 2 Questions (6.6% Weightage)
- **Centre Of Mass** – 2 Questions (6.6% Weightage)
- **Laws of Motion** – 2 Questions (6.6% Weightage)
- **Rotational Dynamics** – 2 Questions (6.6% Weightage)
- **Electromagnetic Waves** – 1 Question (3.3% Weightage)
- **Semiconductors** – 1 Question (3.3% Weightage)
- **Communication Systems** – 1 Question (3.3% Weightage)
- **Circular Motion** – 1 Question (3.3% Weightage)
- **Error in Measurement** – 1 Question (3.3% Weightage)
- **Wave Optics** – 2 Questions (6.6% Weightage)
- **Elasticity** – 1 Question (3.3% Weightage)
- **Modern Physics** – 2 Questions (6.6% Weightage)

## JEE Main Syllabus 2023 Chemistry Important Topics & Weightage

- **Transition Elements & Coordination Compounds** – 3 Questions (9.9% Weightage)
- **Thermodynamics & the Gaseous State** – 2 Questions (6.6% Weightage)
- **Atomic Structure** – 2 Questions (6.6% Weightage)
- **Chemical Bonding** – 2 Questions (6.6% Weightage)

- **Chemical And Ionic Equilibrium** – 2 Questions (6.6% Weightage)
- **Solid-State And Surface Chemistry** – 2 Questions (6.6% Weightage)
- **Nuclear & Environmental Chemistry** – 2 Questions (6.6% Weightage)
- **Mole Concept** – 1 Question (3.3% Weightage)
- **Redox Reactions** – 1 Question (3.3% Weightage)
- **Electrochemistry** – 1 Question (3.3% Weightage)
- **Aromatic Compounds** – 1 Question (3.3% Weightage)
- **Carbohydrates, Amino-Acids, and Polymers** – 1 Question (3.3% Weightage)
- **Alkyl Halides** – 1 Question (3.3% Weightage)
- **Hydrocarbon** – 1 Question (3.3% Weightage)
- **Stereochemistry** – 1 Question (3.3% Weightage)
- **Chemical Kinetics** – 1 Question (3.3% Weightage)

## **JEE Main Syllabus 2023 Mathematics Important Topics & Weightage**

- **Quadratic Equations** – 1 Question (3.3% Weightage)
- **Sequences & Series** – 2 Questions (6.6% Weightage)
- **Differentiability** – 1 Question (3.3% Weightage)
- **Trigonometric Equations** – 1 Question (3.3% Weightage)
- **Limits** – 1 Question (3.3% Weightage)
- **Indefinite Integration** – 1 Question (3.3% Weightage)
- **Differential Equations** – 1 Question (3.3% Weightage)
- **Definite Integration** – 1 Question (3.3% Weightage)
- **The Area under the Curve** – 1 Question (3.3% Weightage)
- **Straight Lines** – 2 Questions (6.6% Weightage)
- **Vectors** – 1 Question (3.3% Weightage)
- **3-D Geometry** – 2 Questions (6.6% Weightage)
- **Permutations & Combinations** – 1 Question (3.3% Weightage)
- **Probability** – 1 Question (3.3% Weightage)
- **Complex Numbers** – 1 Question (3.3% Weightage)
- **Binomial Theorem** – 1 Question (3.3% Weightage)
- **Determinants** – 2 Questions (6.6% Weightage)
- **Tangents and Normals** – 1 Question (3.3% Weightage)
- **Maxima and Minima** – 1 Question (3.3% Weightage)
- **Statistics** – 1 Question (3.3% Weightage)
- **Parabola** – 1 Question (3.3% Weightage)
- **Ellipse** – 1 Question (3.3% Weightage)
- **Hyperbola** – 1 Question (3.3% Weightage)
- **Mathematical Reasoning** – 1 Question (3.3% Weightage)
- **Height & Distance** – 1 Question (3.3% Weightage)
- **Sets** – 1 Question (3.3% Weightage)

**Also Read:** [Free JEE Main 2023 Practice Question Paper with Answer Key](#)