

# JEE Chapter Weightage

Approximate topic-wise weightage for **JEE Main**, based on historical paper analysis (2019–2024). Use this to prioritise — spend more time where the marks are.

**Priority:** High = master first · Med = cover well · Low = don't over-invest

## PHYSICS · ~25 questions

Mechanics (Kinematics, NLM)		12%	High
Rotational Motion		6%	High
Electrostatics & Capacitors		9%	High
Current Electricity		7%	High
Magnetism & EMI / AC		10%	High
Modern Physics		11%	High
Optics (Ray + Wave)		9%	Med
Heat & Thermodynamics		9%	Med
SHM & Waves		8%	Med
Gravitation		4%	Med
Units, Errors & Measurement		4%	Low
Semiconductors & Comm.		4%	Low

## CHEMISTRY · ~25 questions

Organic — GOC & Mechanisms		10%	High
Coordination Compounds		7%	High
Chemical Bonding		7%	High
Thermodynamics & Thermochem.		6%	High
Chemical & Ionic Equilibrium		6%	High
p-Block Elements		8%	High
Electrochemistry		5%	Med
Chemical Kinetics		5%	Med
Mole Concept & Stoichiometry		5%	Med

Aldehydes, Ketones, Acids		6%	Med
Atomic Structure		4%	Med
Solutions & Colligative		4%	Med
Biomolecules & Polymers		5%	Low
s-Block & Metallurgy		5%	Low

**MATHEMATICS · ~25 questions**

Calculus — Integration & Area		9%	High
Calculus — Differentiation & AOD		8%	High
Coordinate — Conic Sections		8%	High
Matrices & Determinants		7%	High
Sequences & Series		6%	High
Probability		6%	High
Complex Numbers		5%	Med
Permutations & Combinations		5%	Med
Vectors & 3D Geometry		8%	Med
Limits, Continuity, Differentiability		6%	Med
Straight Lines & Circles		7%	Med
Quadratic Equations		4%	Med
Binomial Theorem		4%	Low
Trigonometry & Inverse		5%	Low
Statistics & Reasoning		4%	Low

**How to use this chart**

1. **Start with High-priority chapters** — they give the most marks per hour of study.
2. **Don't skip Low-priority topics entirely** — they're often the easiest, fastest marks (e.g. Units & Measurement, Statistics).
3. **Physical Chemistry & Calculus** reward practice more than reading. Solve, don't just revise.
4. These are **averages** — any single year can shift  $\pm 3-4\%$ . Cover the whole syllabus; just sequence it smartly.

Disclaimer: Weightages are approximate, derived from publicly available analysis of past JEE Main papers (2019–2024). They are guidance, not official figures. NTA does not publish fixed chapter weightage.