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JEE MAIN · PHYSICS

Physics: chapter-wise weightage

Previous Year Questions: what to study first

29 chapters · **5,919** 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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Physics chapters ranked by weightage

Weightage = a chapter's share of all Physics 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	Current Electricity	6.5%	383	186	2002–2026
2	Kinematics	5.9%	339	184	2002–2026
3	Rotational Motion	5.3%	315	194	2002–2026
4	Units, Dimensions & Errors	5.1%	282	192	2002–2026
5	Electrostatics	5%	297	186	2002–2026
6	Ray Optics	5%	278	184	2002–2026
7	Magnetic Effects of Current	4.4%	261	165	2002–2026
8	Laws of Motion	4.3%	253	153	2002–2026
9	Semiconductor Electronics	4.2%	249	195	2002–2026
10	Gravitation	3.8%	215	174	2002–2026
11	Thermodynamics	3.6%	221	170	2002–2026
12	Dual Nature of Matter & Radiation	3.6%	208	181	2002–2026
13	Work, Energy & Power	3.3%	201	151	2002–2026
14	Electromagnetic Waves	3.3%	189	171	2002–2026
15	Fluid Mechanics	3.2%	186	144	2002–2026
16	Kinetic Theory of Gases	3.2%	175	156	2002–2026
17	Wave Optics	3.1%	189	153	2003–2026
18	Capacitors	3.1%	182	148	2002–2026
19	Alternating Current	3.1%	173	127	2002–2026
20	Electromagnetic Induction	3%	177	132	2002–2026
21	Oscillations (SHM)	2.9%	191	141	2002–2026
22	Waves	2.7%	180	142	2002–2026
23	Nuclei	2.6%	164	131	2002–2026
24	Atoms	2.5%	153	128	2002–2026
25	Elasticity	2.2%	120	104	2003–2026
26	Thermal Properties of Matter	2%	129	99	2002–2026
27	Communication Systems	1.8%	104	103	2011–2023
28	Magnetism & Matter	1.2%	80	68	2003–2026
29	Experimental Skills	0.2%	25	19	2008–2026

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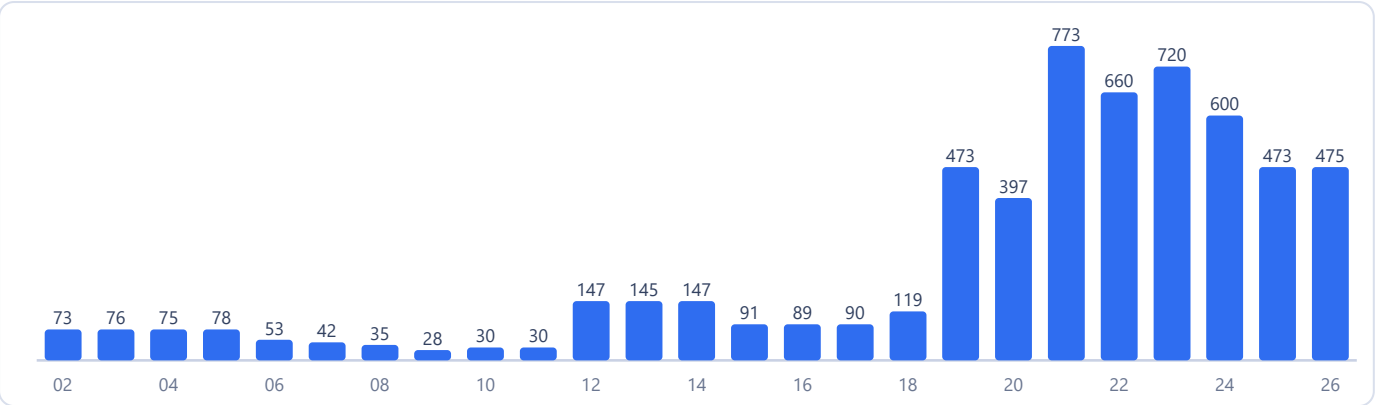
Physics questions per year



Questions we hold per year, all 29 chapters together (2002–2026). The number of papers held per year differs, so compare years with care.

Chapters asked every year, 2019–2026

Units, Dimensions & Errors
Kinematics
Laws of Motion
Work, Energy & Power
Rotational Motion
Gravitation
Elasticity
Fluid Mechanics
Thermal Properties of Matter
Thermodynamics
Kinetic Theory of Gases
Oscillations (SHM)
Waves
Electrostatics
Capacitors
Current Electricity
Magnetic Effects of Current
Magnetism & Matter
Electromagnetic Induction
Alternating Current
Electromagnetic Waves
Ray Optics
Wave Optics
Dual Nature of Matter & Radiation
Atoms
Nuclei
Semiconductor Electronics

No questions in 2025–2026

Communication Systems (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. Units, Dimensions & Errors (282 questions)
2. Kinematics (339 questions)
3. Laws of Motion (253 questions)
4. Work, Energy & Power (201 questions)
5. Rotational Motion (315 questions)
6. Gravitation (215 questions)
7. Elasticity (120 questions)
8. Fluid Mechanics (186 questions)
9. Thermal Properties of Matter (129 questions)
10. Thermodynamics (221 questions)
11. Kinetic Theory of Gases (175 questions)
12. Oscillations (SHM) (191 questions)
13. Waves (180 questions)
14. Electrostatics (297 questions)
15. Capacitors (182 questions)
16. Current Electricity (383 questions)
17. Magnetic Effects of Current (261 questions)
18. Magnetism & Matter (80 questions)
19. Electromagnetic Induction (177 questions)
20. Alternating Current (173 questions)

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21. Electromagnetic Waves (189 questions)
22. Ray Optics (278 questions)
23. Wave Optics (189 questions)
24. Dual Nature of Matter & Radiation (208 questions)
25. Atoms (153 questions)
26. Nuclei (164 questions)
27. Semiconductor Electronics (249 questions)
28. Experimental Skills (25 questions)
29. Communication Systems (104 questions)

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