

[IIT-JEE MATHEMATICS]

JEE MAIN 2021 TO 2026

2026

TREND *Analysis*

CLASS 11 AND 12

MATHEMATICS

CHAPTER PRIORITY

IN THIS ANALYSIS

PAPER MATHEMATICS
CHAPTERS RANKED TWENTY SIX
PHASES FOUR · PRIORITY A TO D
BASED ON 2019 TO 2026 PAPERS
CARRIES WEIGHTAGE · TREND · TICK SHEET
READ WITH THE JEE MAIN SYLLABUS

[JEE MAIN]

How to use this analysis

Every chapter of the Mathematics paper is ranked here by the marks it has actually carried, and grouped into four phases. Priority A is where the paper spends most of its marks. Priority D is where it spends least. The percentage beside each chapter is its share of the paper.

The arrow is movement, not size. A gold arrow means that chapter has been asked more in recent sessions than it used to be, a grey one means less, and a dash means it has held steady. A small chapter that is rising deserves more of your attention than a large one that is falling.

The boxes on the right are a tick sheet, one column for each pass over the chapter: basics, then the 2025 papers, then 2022 to 2024, then 2019 to 2021, then two revisions. Tick a box only when you have worked the questions, not when you have read the theory.

One warning before you use it. A ranking tells you where to spend your effort first. It does not tell you what to leave out. The analysis at the end of this document makes that point in the paper's own numbers.

[CHAPTER PRIORITY]

The trend *analysis*

PRIORITY A High weightage

CHAPTER	WT. %	TREND	BASICS	2025	'22-24	'19-21	REV 1	REV 2
Three Dimensional Geometry	9.4	▼	☐	☐	☐	☐	☐	☐
Sequences and Series	7.1	▼	☐	☐	☐	☐	☐	☐
Matrices and Determinants	7.9	▼	☐	☐	☐	☐	☐	☐
Vector Algebra	6.5	▼	☐	☐	☐	☐	☐	☐
Definite Integration	6.0		☐	☐	☐	☐	☐	☐
Functions	5.8		☐	☐	☐	☐	☐	☐
Binomial Theorem	5.9		☐	☐	☐	☐	☐	☐
Differential Equations	5.3		☐	☐	☐	☐	☐	☐

PRIORITY B Moderate weightage

CHAPTER	WT. %	TREND	BASICS	2025	'22-24	'19-21	REV 1	REV 2
Probability	4.8		☐	☐	☐	☐	☐	☐
Permutation Combination	4.7		☐	☐	☐	☐	☐	☐
Straight Lines	4.2	▲	☐	☐	☐	☐	☐	☐
Area Under Curves	4.2		☐	☐	☐	☐	☐	☐
Complex Number	4.2		☐	☐	☐	☐	☐	☐
Application of Derivatives	3.4	▼	☐	☐	☐	☐	☐	☐
Sets and Relations	3.6		☐	☐	☐	☐	☐	☐
Quadratic Equation	3.3		☐	☐	☐	☐	☐	☐

PRIORITY C Foundational

CHAPTER	WT. %	TREND	BASICS	2025	'22-24	'19-21	REV 1	REV 2
Circle	3.0	▼	☐	☐	☐	☐	☐	☐
Statistics	2.8	▼	☐	☐	☐	☐	☐	☐
Limits	2.9		☐	☐	☐	☐	☐	☐
Parabola	2.8	▲	☐	☐	☐	☐	☐	☐
Hyperbola / Ellipse	2.4	▲	☐	☐	☐	☐	☐	☐
Continuity and Differentiability	2.3	▲	☐	☐	☐	☐	☐	☐

PRIORITY D Specific topics

CHAPTER	WT. %	TREND	BASICS	2025	'22-24	'19-21	REV 1	REV 2
Inverse Trigonometric Functions	1.7		☐	☐	☐	☐	☐	☐
Indefinite Integration	1.6		☐	☐	☐	☐	☐	☐
Trigonometric Equations	1.5		☐	☐	☐	☐	☐	☐
Differentiation and Basic Maths	0.8		☐	☐	☐	☐	☐	☐

STRATEGIC ANALYSIS · WHAT CHANGED IN 2025

Shift in 2025 trends. Priority A chapters dropped from a dominant 55% weightage to 45%. A “selective study” approach is now highly risky for top percentiles.

Balanced approach. NTA is spreading marks across the entire syllabus. Chapters in Phase B and C are now the primary “Rank-Savers”, essential for a top-5000 rank.

STRATEGIC ANALYSIS · FIVE THINGS THE NUMBERS SAY

- 01. Dilution of Priority A.** Mastery of just a few “heavy” topics like Vectors and 3D no longer guarantees success. You must maintain a decent accuracy rate in at least 80% of the syllabus.
- 02. The “B” phase differentiators.** Probability and P&C have become the “Gatekeeper” chapters. Students who skip these often lose their competitive edge in the final 2000-rank bracket.
- 03. Coordinate geometry comeback.** Trend analysis (▲) shows a clear shift toward Straight Lines and Conic Sections, to test a student’s calculation speed and algebraic endurance.
- 04. Invisible pillars (Phase D).** While direct weightage is low (under 2%), Trigonometry and Basic Maths are the “language” of Calculus. Skipping them makes Priority A integration problems impossible to solve.
- 05. Final strategy.** Transition from being a “Topic Specialist” to a “Syllabus Generalist”. Ensure no chapter is left completely untouched.

Disclaimer. Analysis is based on the 2026 session, 2025 sessions 1 and 2, compared with 2019 to 2024 IIT Delhi and IIT Madras historical patterns.

OFFICIAL SYLLABUS RELEASE

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STATUS VERIFIED AND COMPLETED

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