

Sri Vidya Aradhana Academy, Latur

JEE MAIN · JEE ADVANCED · MHT-CET

Mathematics Revision Tracker

PRACTICE. PROGRESS. REPEAT.

ALGEBRA

Sets & Relations Main ✓ Adv ✓ CET ✗	262524232221	☐
Functions Main ✓ Adv ✓ CET ✓	262524232221	☐
Complex Numbers Main ✓ Adv ✓ CET ✓	262524232221	☐
Quadratic Equations Main ✓ Adv ✓ CET ✗	262524232221	☐
Matrices & Determinants Main ✓ Adv ✓ CET ✓	262524232221	☐
Permutations & Combinations Main ✓ Adv ✓ CET ✓	262524232221	☐
Binomial Theorem Main ✓ Adv ✓ CET ✗	262524232221	☐
Sequences & Series (AP, GP, HP) Main ✓ Adv ✓ CET ✗	262524232221	☐

TRIGONOMETRY

Trigonometric Functions & Identities Main ✓ Adv ✓ CET ✓	262524232221	☐
Trigonometric Equations Main ✓ Adv ✓ CET ✓	262524232221	☐
Inverse Trigonometric Functions Main ✓ Adv ✓ CET ✓	262524232221	☐
Solution of Triangles (Properties of Δ) ADV + CET Main ✗ Adv ✓ CET ✓	262524232221	☐

COORDINATE GEOMETRY

Straight Lines Main ✓ Adv ✓ CET ✓	262524232221	☐
Circles Main ✓ Adv ✓ CET ✓	262524232221	☐
Conic Sections (Parabola, Ellipse, Hyperbola) Main ✓ Adv ✓ CET ✓	262524232221	☐

Pair of Straight Lines CET ONLY Main ✖ Adv ✖ CET ✔	MHTCET only	☐
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CALCULUS

Limits Main ✔ Adv ✔ CET ✔	26 25 24 23 22 21	☐
Continuity & Differentiability Main ✔ Adv ✔ CET ✔	26 25 24 23 22 21	☐
Differentiation Main ✔ Adv ✔ CET ✔	26 25 24 23 22 21	☐
Applications of Derivatives Main ✔ Adv ✔ CET ✔	26 25 24 23 22 21	☐
Indefinite Integration Main ✔ Adv ✔ CET ✔	26 25 24 23 22 21	☐
Definite Integration Main ✔ Adv ✔ CET ✔	26 25 24 23 22 21	☐
Area Under Curves Main ✔ Adv ✔ CET ✔	26 25 24 23 22 21	☐
Differential Equations Main ✔ Adv ✔ CET ✔	26 25 24 23 22 21	☐

VECTORS & 3D GEOMETRY

Vector Algebra Main ✔ Adv ✔ CET ✔	26 25 24 23 22 21	☐
Three-Dimensional Geometry Main ✔ Adv ✔ CET ✔	26 25 24 23 22 21	☐

STATISTICS & PROBABILITY

Statistics (Mean, Variance, SD) Main ✔ Adv ✔ CET ✔	26 25 24 23 22 21	☐
Probability (Conditional, Bayes') Main ✔ Adv ✔ CET ✔	26 25 24 23 22 21	☐
Bernoulli Trials & Binomial Distribution CET ONLY Main ✖ Adv ✖ CET ✔	MHTCET only	☐

MHTCET EXCLUSIVE CHAPTERS

Mathematical Logic CET ONLY Main ✖ Adv ✖ CET ✔	MH Board Part-1 Ch 1. Study from textbook	☒
Linear Programming (LPP) CET ONLY Main ✖ Adv ✖ CET ✔	MH Board Part-1 Ch 7. Study from textbook	☒

Syllabus Changes

WHAT'S REMOVED & WHAT'S EXTRA

Topics Removed from JEE Main (since 2024)

Full Chapters Removed

- **Mathematical Induction** — gone from Main, Advanced & CET. Skip completely.
- **Mathematical Reasoning** — gone from JEE. (MHTCET has its own different "Mathematical Logic".)
- **Heights & Distances** — gone from Main & Advanced.

Topics in JEE Advanced but NOT in Main

(Advanced includes almost everything. If you're preparing for Advanced, make sure to cover these sub-topics which were removed from Main but are still tested in Advanced.)

Extra Chapter

- **Solution of Triangles** — Sine rule, Cosine rule, half-angle formulas, R (circumradius), r (inradius)

Extra Sub-topics (within common chapters)

- **Rolle's Theorem & LMVT** — under Continuity / Application of Derivatives
- **Scalar & Vector Triple Product** — under Vector Algebra
- **Properties of Binomial Coefficients** — under Binomial Theorem
- **Full 3D Geometry** — all line/plane equations, intersections, coplanar lines, shortest distance
- **Integral as limit of sum** — under Definite Integration
- **Σn , Σn^2 , Σn^3 and AGP** — under Sequences & Series
- **Translation of axes, angle bisectors, family of lines** — under Straight Lines

MHTCET Exclusive Topics (Not in any JEE)

CET-only Chapters

- **Mathematical Logic** — truth tables, tautology, contradiction, converse, contrapositive (Part-1 Ch 1)
- **Linear Programming (LPP)** — graphical method, feasible region, optimal solution (Part-1 Ch 7)
- **Pair of Straight Lines** — combined equation, homogeneous equation, angle between lines (Part-1 Ch 4)
- **Bernoulli Trials & Binomial Distribution** — removed from both JEEs, still in CET (Part-2 Ch 7 & 8)

MHT-CET Official Syllabus Scope (2026)

Per the official MHT-CET notification, the Mathematics paper covers: (a) the **complete Std XII (2025–26) syllabus** — every chapter already listed in this tracker above — **plus** (b) the following Std XI (2024–25) chapters carried over from last year:

Std XI Chapters Also in CET Syllabus

Trigonometry II, Straight Line, Circle, Probability, Complex Numbers, Permutations and Combinations, Functions, Limits, Continuity, Conic Section

Board Textbook — Exercise Tracker

Mathematics & Statistics (Arts & Science) · Part 1 & Part 2

Part 1 — Mathematics and Statistics (Part 1) · 7 Chapters

CH	CHAPTER NAME	EXERCISES — TICK EACH WHEN SOLVED ☐	✓
1	Mathematical Logic	☐ Ex 1.1 ☐ Ex 1.2 ☐ Ex 1.3 ☐ Ex 1.4 ☐ Ex 1.5 ☐ Misc 1	☐
2	Matrices	☐ Ex 2.1 ☐ Ex 2.2 ☐ Ex 2.3 ☐ Misc 2A ☐ Misc 2B	☐
3	Trigonometric Functions	☐ Ex 3.1 ☐ Ex 3.2 ☐ Ex 3.3 ☐ Misc 3	☐
4	Pair of Straight Lines	☐ Ex 4.1 ☐ Ex 4.2 ☐ Ex 4.3 ☐ Misc 4	☐
5	Vectors	☐ Ex 5.1 ☐ Ex 5.2 ☐ Ex 5.3 ☐ Ex 5.4 ☐ Ex 5.5 ☐ Misc 5	☐
6	Line and Plane	☐ Ex 6.1 ☐ Ex 6.2 ☐ Ex 6.3 ☐ Ex 6.4 ☐ Misc 6A ☐ Misc 6B	☐
7	Linear Programming	☐ Ex 7.1 ☐ Ex 7.2 ☐ Ex 7.3 ☐ Ex 7.4 ☐ Misc 7	☐

Part 2 — Mathematics and Statistics (Part 2) · 8 Chapters

CH	CHAPTER NAME	EXERCISES — TICK EACH WHEN SOLVED ☐	✓
1	Differentiation	☐ Ex 1.1 ☐ Ex 1.2 ☐ Ex 1.3 ☐ Ex 1.4 ☐ Ex 1.5 ☐ Misc 1	☐
2	Applications of Derivatives	☐ Ex 2.1 ☐ Ex 2.2 ☐ Ex 2.3 ☐ Ex 2.4 ☐ Misc 2	☐
3	Indefinite Integration	☐ Ex 3.1 ☐ Ex 3.2 ☐ Ex 3.3 ☐ Ex 3.4 ☐ Ex 3.5 ☐ Misc 3	☐
4	Definite Integration	☐ Ex 4.1 ☐ Ex 4.2 ☐ Misc 4	☐
5	Application of Definite Integration	☐ Ex 5.1 ☐ Misc 5	☐
6	Differential Equations	☐ Ex 6.1 ☐ Ex 6.2 ☐ Ex 6.3 ☐ Misc 6	☐
7	Probability Distributions	☐ Ex 7.1 ☐ Ex 7.2 ☐ Misc 7	☐
8	Binomial Distribution	☐ Ex 8.1 ☐ Misc 8	☐

Name: _____ Start Date: _____ Target Date: _____