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CUET 2025 Mathematics

Edupreparator's Online CUET 2025 Exam Preparation Live classes + Test Series of Mathematics Domains:

Welcome to Edupreparator, your trusted partner in unlocking success in the Online CUET 2025 (Common Universities Entrance Test) Exam. Our specialized Live classes + Test Series in Mathematics are meticulously designed to empower students with the knowledge and skills needed to excel in the CUET 2025 examination.

Mathematics CUET 2025 Domains + Test Series Highlights:

1. **Live and Recorded Classes:**

We are providing you with 22+ Hour Live Mathematics domain classes and the flexibility of recorded sessions that will be a 6-week Programme.

Our expert educators, well-versed in Mathematics, bring the curriculum to life, ensuring an engaging and effective learning experience.

Mathematics Live Classes Schedule

Date	Topics	Timings
14-03-2025	Chapter 1 Relations and Functions	4-6 pm
17-03-2025	Chapter 2 Inverse Trigonometric Functions	4-6 pm
21-03-2025	Chapter 3 Matrices	4-6 pm
25-03-2025	Chapter 4 Determinants	4-6 pm

29-04-2025	Chapter 5 Continuity and Differentiability	4-6 pm
02-04-2025	Chapter 6 Application of Derivatives	4-6 pm
05-04-2025	Chapter 1 Integrals	4-6 pm
08-04-2025	Chapter 2 Application of Integrals	4-6 pm
12-04-2025	Chapter 3 Differential Equation	4-6 pm
15-04-2025	Chapter 4 Vector Algebra	4-6 pm
18-04-2025	Chapter 5 Three-Dimensional Geometry	4-6 pm
22-04-2025	Chapter 6 Linear Programming	4-6 pm
25-04-2025	Chapter 7 Probability	4-6 pm

2. **Chapters Wise Tests:**

- **To reinforce conceptual understanding, we also offer chapter-wise tests of all chapters that focus on specific topics within the Mathematics syllabus.**
- **These tests allow students to examine deep into individual chapters, identifying strengths and areas for improvement.**
- **Immediate feedback is provided, enabling students to track their progress and tailor their study plans accordingly.**

Chapter Wise Test Schedule

Date	Topics	Timings
16-03-2025	Chapter 1 Relations and Functions	4-6 pm
19-03-2025	Chapter 2 Inverse Trigonometric Functions	4-6 pm
23-03-2025	Chapter 3 Matrices	4-6 pm
27-03-2025	Chapter 4 Determinants	4-6 pm
31-03-2025	Chapter 5 Continuity and Differentiability	4-6 pm
04-04-2025	Chapter 6 Application of Derivatives	4-6 pm
07-04-2025	Chapter 1 Integrals	4-6 pm
10-04-2025	Chapter 2 Application of Integrals	4-6 pm
14-04-2025	Chapter 3 Differential Equation	4-6 pm
17-04-2025	Chapter 4 Vector Algebra	4-6 pm
20-04-2025	Chapter 5 Three-Dimensional Geometry	4-6 pm

24-04-2025	Chapter 6 Linear Programming	4-6 pm
27-04-2025	Chapter 7 Probability	4-6 pm

3. **Expertly Crafted Mock Tests and Discussion:**

- **Our Test Series includes 5 full-length mock tests, providing students with a real-time online exam experience with Test Discussion in recorded form.**
- **Each mock test is designed by experienced educators and subject matter experts, ensuring a comprehensive coverage of the CUET Mathematics syllabus.**

Comprehensive Full-Length Mathematics Domains Mock Test

Date	Topics	Timings
29-04-2025	Mock Test -1 (Book I and II)	3 pm
01-05-2025	Mock Test -2 (Book I and II)	3 pm
03-05-2025	Mock Test -3 (Book I and II)	3 pm
05-05-2025	Mock Test -4 (Book I and II)	3 pm
06-05-2025	Mock Test -5 (Book I and II)	3 pm

4. **Comprehensive Coverage:**

- Our Test Series covers the entire CUET 2025 Mathematics syllabus, ensuring that students are well-prepared for any question that may appear in the exam.
- Test includes topics from Mathematics Part I and Mathematics Part II

5. **AI-Based Test Series Analysis:** Harnessing the power of artificial intelligence, our test series analysis goes beyond conventional assessments. Receive personalized insights, performance metrics, and tailored feedback to understand your strengths and weaknesses. This data-driven approach allows for strategic refinement of your study plan.
6. **CUET College Counselling Session:** Navigating the college admission process can be overwhelming. At EDUPREPRATOR, we go the extra mile by offering CUET College counselling sessions. Our experienced counsellors provide valuable guidance, helping you make informed decisions about your academic future.

Embark on your CUET 2025 exam preparation journey with Edupreparator's CUET 2025 Mathematics Live Classes + Test Series, where excellence is not just a goal but a guarantee. Secure your future with a solid foundation with EDUPREPARATOR –Enroll today!

Mathematics Part I	Mathematics Part II
Chapter 1 Relations and Functions	Chapter 1 Integrals
Chapter 2 Inverse Trigonometric Functions	Chapter 2 Application of Integrals
Chapter 3 Matrices	Chapter 3 Differential Equation
Chapter 4 Determinants	Chapter 4 Vector Algebra
Chapter 5 Continuity and Differentiability	Chapter 5 Three-Dimensional Geometry
Chapter 6 Application of Derivatives	Chapter 6 Linear Programming

	Chapter 7 Probability

Chapter and Subtopics of Mathematics Domains

Chapter Name	Sub-Topics
Chapter 1 Relations and Functions	· Types of relationships: Reflexive, symmetric, transitive, and equivalence relations. One To one and onto functions, composite functions, the inverse of a function. Binary operations.
Chapter 2 Inverse Trigonometric Functions	· Definition, range, domain, principal value branches. Graphs of inverse trigonometric functions. Elementary properties of inverse trigonometric functions.
Chapter 3 Matrices	· Concept, notation, order, equality, types of matrices, zero matrices, transpose of a matrix, symmetric and skew-symmetric matrices.
Chapter 4 Determinants	· Determinants of a square matrix (upto3×3matrices), properties of determinants, minors, cofactors, and applications of determinants in finding the area of a triangle.
Chapter 5 Continuity and Differentiability	· Continuity and differentiability, derivative of composite functions, chain rule, derivatives of inverse trigonometric functions, derivative of implicit function.

Chapter 6 Application of Derivatives	· Applications of derivatives: Rate of change, increasing/ decreasing functions, tangents and normals, approximation, maxima, and minimal (first derivative test motivated geometrically and second derivative test given as a provable tool).
Chapter 1 Integrals	· Integration is the inverse process of differentiation. Integration of a variety of functions by substitution, by partial fractions, and by parts, only simple integrals of the type – to be evaluated.
Chapter 2 Application of Integrals	· Applications in finding the area under simple curves, especially lines, arcs of circles/parabolas/ellipses (in standard form only), and the area between the two above said curves(the region should be clearly identifiable).
Chapter 3 Differential Equation	· Definition, order, and degree, general and particular solutions of a differential equation. Formation of differential equation whose general solution is given. Solution of differential equations by method of separation of variables, homogeneous differential equations of first order and first degree.
Chapter 4 Vector Algebra	· Vectors and scalars, magnitude and direction of a vector. Direction cosines/ratios of vectors. Types of vectors(equal, unit, zero, parallel and collinear vectors), position vector of a point, negative of a vector, components of a vector, addition of vectors, multiplication of a vector by a scalar, position vector of a point dividing a line segment in a given ratio.
Chapter 5 Three-Dimensional Geometry	· Direction cosines/ratios of a line joining two points. Cartesian and vector equation of a line, coplanar and skew lines, the shortest distance between two lines. Cartesian and vector equation of a plane.

Chapter 6 Linear Programming	**· Introduction, related terminology such as constraints, objective function, optimization, different types of linear programming (L.P.) problems, mathematical formulation of L.P. problems, graphical method of solution for problems in two variables, feasible and infeasible regions, feasible and infeasible solutions, optimal feasible solutions.**
Chapter 7 Probability	**· Multiplications are the oremon's probability. Conditional probability, independent events, total probability, Baye's theorem. Random variable and its probability distribution, mean and variance of haphazard variable. Repeated independent (Bernoulli)trials and Binomial distribution.**