

CUET 2025- Mathematics Domains Test Series

Introducing Edupreparator's Online CUET 2025 Exam Preparation 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 **Test Series in Mathematics** is meticulously designed to empower students with the knowledge and skills needed to excel in **CUET 2025** examination.

Mathematics CUET 2025 Domains Test Series Highlights:

1. **11 Chapter Wise Test with Self-evaluation**
 2. **5 Full-Length MOCK Test + Recorded Video Discussion**
 3. **AI Based Test Analysis**
 4. **CUET College Counselling Help**
 5. **Personnel Mentorship**
 6. **Telegram Group Discussion**
 7. **Hand-holding during examination**
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1. **Chapters Wise Tests:**

- To reinforce conceptual understanding, we also offer **chapter-wise tests** of all chapters focusing 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
02-04-2025	Chapter 1 Relations and Functions	4:15-6 pm
05-04-2025	Chapter 2 Inverse Trigonometric Functions	4:15-6 pm
10-04-2025	Chapter 3 Matrices	4:15-6 pm
13-04-2025	Chapter 4 Determinants	4:15-6 pm
18-04-2025	Chapter 5 Continuity and Differentiability	4:15-6 pm
21-04-2025	Chapter 6 Application of Derivatives	4:15-6 pm
23-04-2025	Chapter 1 Integrals	4:15-6 pm
19-04-2025	Chapter 2 Application of Integrals	4:15-6 pm
22-04-2025	Chapter 3 Differential Equation	4:15-6 pm
24-04-2025	Chapter 4 Vector Algebra	4:15-6 pm

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28-04-2025	Chapter 5 Three-Dimensional Geometry	4:15-6 pm
03-05-2025	Chapter 6 Linear Programming	4:15-6 pm
06-05-2025	Chapter 7 Probability	4:15-6 pm

2. **Expertly Crafted Mock Tests:**

- 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
20-04-2025	Mock Test -1 (Book I and II)	3 pm
25-04-2025	Mock Test -2 (Book I and II)	3 pm
30-04-2025	Mock Test -3 (Book I and II)	3 pm
02-05-2025	Mock Test -4 (Book I and II)	3 pm

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05-05-2025	Mock Test -5 (Book I and II)	3 pm
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3. **Comprehensive Coverage:**
 - Our programme 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 **INTRODUCTORY MICROMathematics and INTRODUCTORY MACROPhysics**.
4. **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.
5. **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.

Chapter and Subtopics of Mathematics Domains

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

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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.

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Chapter 4 Determinants	<ul style="list-style-type: none"> · 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	<ul style="list-style-type: none"> · Continuity and differentiability, derivative of composite functions, chain rule, derivatives of inverse trigonometric functions, derivative of implicit function.
Chapter 6 Application of Derivatives	<ul style="list-style-type: none"> · 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	<ul style="list-style-type: none"> · 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	<ul style="list-style-type: none"> · 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	<ul style="list-style-type: none"> · 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.

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<p>Chapter 4 Vector Algebra</p>	<ul style="list-style-type: none"> · 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.
<p>Chapter 5 Three-Dimensional Geometry</p>	<ul style="list-style-type: none"> · 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.
<p>Chapter 6 Linear Programming</p>	<ul style="list-style-type: none"> · 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.
<p>Chapter 7 Probability</p>	<ul style="list-style-type: none"> · 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.

The comprehensive CUET 2025 Mathematicssyllabus is provided above. Examine it in detail. *It is anticipated that CUET will mark a significant turning point in Indian higher education. Get ready for the CUET as soon as possible to give it your all. Use EDUPREPARATOR to get started on your Boards + CUET 2025 preparation right now.*

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