

# CDS Syllabus

To achieve a good score in CDS 1 2024 examination, aspirants need to have a thorough understanding of the CDS Syllabus. The [CDS 1 2024 Exam](#) serves as a direct gateway for individuals aspiring to join the Indian Armed Forces. Candidates can check the overview of the CDS Exam Syllabus, providing detailed information for candidates preparing for the exam.

## CDS Syllabus for English

**CDS Syllabus English:** In order to enhance their performance in english section, candidates are advised to cultivate a habit of daily newspaper reading. They should identify challenging words and seek their meanings, thereby improving both their vocabulary and comprehension of passages. This section aims to evaluate candidates' proficiency in English and their capacity to employ language effectively and professionally.

### CDS English Syllabus 2024

- **Reading Comprehension Questions.**
- Spotting the Error Questions.
- Fill in the blank questions.
- Synonyms & Antonyms Questions.
- Idioms and Phrases Questions.
- Sentence Arrangement or Jumbled Questions.
- Ordering of words in Sentence Questions.
- Sentence Improvement or Sentence Correction Questions

## CDS Syllabus for Mathematics

**CDS Syllabus Mathematics:** The CDS Elementary Mathematics syllabus consists of topics such as arithmetic, trigonometry, geometry, measurements, statistics, and more. To enhance preparation and achieve favorable outcomes in this paper, consistent practice and dedicated efforts are necessary. It is important for applicants to maintain both accuracy and speed in order to answer the questions within the allotted time frame. For a comprehensive understanding of the syllabus, referring to the provided table for the mathematics syllabus of the CDS 1 2024 exam is recommended.

## CDS Maths Syllabus

# Arithmetic

### Number System

- Natural numbers, Integers, Rational and Real numbers.
- Fundamental operations, addition, subtraction, multiplication, division, Square roots, Decimal fractions.
- Unitary method, time and work, time and distance, percentages.
- Applications of profit and loss, simple and compound interest, ratio and proportion, variation.

### Elementary Number Theory

- Division algorithm.
- Prime and composite numbers.
- Tests of divisibility by 2, 3, 4, 5, 9 and 11.
- Multiples and factors.
- Factorisation Theorem.
- H.C.F. and L.C.M.
- Euclidean algorithm.
- Logarithms to base 10, use of logarithmic tables, laws of logarithms.

# Algebra

- **Basic operations and Simple factors,**
- Remainder Theorem.
- H.C.F. and L.C.M.
- Theory of polynomials, relation between its roots and coefficients (Only real roots to be considered), solutions of quadratic equations.
- Simultaneous linear equations in two unknowns – analytical & graphical solutions.
- Simultaneous linear inequalities in two variables & their solutions.
- Practical issues with solutions that result in two simultaneous linear equations, inequalities in two variables, or quadratic equations in one variable.
- Set notation and set language.

	<ul style="list-style-type: none"> <li>• Rational expressions and conditional identities.</li> </ul>
<h1>Trigonometry</h1>	<ul style="list-style-type: none"> <li>• <b>Sine x, cosine x, Tan x when <math>0^\circ &lt; x &lt; 90^\circ</math>, Values of sin x, cos x &amp; tan x, for x = <math>0^\circ, 30^\circ, 45^\circ, 60^\circ</math> &amp; <math>90^\circ</math>.</b></li> <li>• Simple trigonometric identities.</li> <li>• Use of trigonometric tables.</li> <li>• Simple cases of heights and distances.</li> </ul>
<h1>Geometry</h1>	<p><b>Plane and plane figures, Lines and angles, Theorems on:</b></p> <ul style="list-style-type: none"> <li>• Properties of angles at a point</li> <li>• Parallel lines</li> <li>• Sides and angles of a triangle</li> <li>• Congruence of triangles</li> <li>• Similar triangles</li> <li>• Concurrence of medians and altitudes</li> <li>• Properties of sides, angles and diagonals of a rectangle, parallelogram and square</li> <li>• Circles and their properties including tangents and normals</li> <li>• Loci</li> </ul>
<h1>Mensuration</h1>	<ul style="list-style-type: none"> <li>• <b>Areas of parallelograms, squares, rectangles, triangles and circles.</b></li> <li>• Areas of figures can be split up into these figures (Field Book), lateral surface and volume of right circular cones and cylinders, Surface area and volume of cuboids, and surface area and volume of spheres.</li> </ul>
<h1>Statistics</h1>	<ul style="list-style-type: none"> <li>• <b>Collection and tabulation of statistical data.</b></li> <li>• Graphical representation of frequency polygons, bar charts, histograms, pie charts etc.</li> <li>• Measures of central tendency.</li> </ul>

Also, Check [CDS Admit Card 2024](#)

## CDS Syllabus for General Knowledge

**CDS Syllabus General Knowledge:** General knowledge consists of current affairs and having a broad understanding of everyday observations and experiences, including a scientific aspect, which is expected from an educated individual who hasn't specialized in any scientific field. Furthermore, the examination will include questions related to geography and Indian history, which any competent candidate should be able to answer without requiring additional study.

## **CDS General Knowledge Syllabus**

- **Indian History**
- Political Science
- Economics
- Geography
- Environment
- General Science – Physics, Chemistry, Biology
- **Current Affairs**– National & International Awards, Summits, Sports, Conference: