



# CDS



**CDS** syllabus 2024 comprises General Knowledge, English, and Elementary Mathematics. Officers' Training Academy applicants focus on English and General Knowledge. Additional subjects include Intelligence and Personality tests, Statistics, Geometry, Trigonometry, Mensuration, Elementary number theory, Algebra, and Number System. CDS Math differs significantly from UPSC CSE Prelims' Quantitative Aptitude.

## CDS Syllabus 2024

CDS Syllabus 2024 consists of papers on English, Mathematics and General Knowledge. Candidates should go through UPSC CDS Syllabus 2024 for preparation for the CDS 1 Exam 2024. In this article, we have discussed the CDS 1 2024 Syllabus along with the CDS Exam Pattern 2024 of the Subject topic.

## CDS Exam 2024 Overview

Aspirants need to familiarize themselves with the CDS syllabus for effective exam preparation. Candidates have the option to select from categories like the Indian Military Academy, Indian Naval Academy, Air Force Academy, and Officers' Training Academy. This article outlines the CDS Exam 2024 Pattern and furnishes a comprehensive CDS Syllabus for aspirants.

### Name of the Exam

### Combined Defence Forces (CDS)

Conducting Body

Union Public Service Commission (UPSC)

Exam Conducted in A Year

Twice a Year

Mode of Examination

Offline

Type of Questions

Multiple Choice Questions (MCQs)

Medium

Hindi or English

Number of Questions

IMA/INA/AFA – 300

OTA – 200



Time Duration  
each paper

2 hours for

Negative Marking

Yes (1/3rd deducted for every wrong answer)

## CDS Exam Pattern 2024

CDS Exam Pattern 2024 consists of two processes: written and interview. The Written exam includes papers on English, General Knowledge and Mathematics, varying in marks and duration. The interview assesses candidates' personalities, leadership qualities, and suitability for commissioning into the Indian Armed Forces.

## CDS Exam Pattern for IMA, INA, AFA

Subject	Duration	Maximum Marks
English	2 Hours	100
General Knowledge	2 Hours	100
Mathematics	2 Hours	100
SSB/Interview	5 Days	300

## CDS Exam Pattern for OTA

Subject	Duration	Maximum Marks
English	2 Hours	100
General Knowledge	2 Hours	100
SSB/Interview	5 Days	300

## CDS English Syllabus 2024

To score better in this section, candidates should read newspapers daily point out the difficult words at a place and find their meaning which will help to improve their vocabulary and understanding of the comprehension passages with ease. The purpose of this paper is to assess the applicants' command of the English language and their ability to use words professionally.

- Reading Comprehension Questions.
- Spotting the Errors Questions.
- Fill in the Blanks 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 General Knowledge Syllabus 2024

General knowledge includes awareness of current affairs and everyday observations and experiences that include a scientific component, as might be anticipated of an educated person who has not specifically studied any scientific field. Additionally, there will be geography and Indian history questions on the examination that any qualified candidate should be able to respond to without additional study.

- Indian History
- Political Science
- Economics
- Geography
- Environment
- General Science – Physics, Chemistry, Biology
- Current Affairs – National & International Awards, Summits, Sports, Conference; Books & Authors etc.
- Defence Related Questions – Army, Navy, Air Force

## CDS Mathematics Syllabus 2024

Arithmetic, trigonometry, geometry, measurements, statistics, and other related topics comprise the syllabus of CDS Elementary Mathematics. To improve the preparation and the results, this paper needs constant practice and committed efforts. To answer these questions within the allotted time and provide the necessary outcomes, the applicants must retain accuracy and speed. For the complete syllabus of individual topics of mathematics, follow the given below table for the mathematics syllabus of the CDS 2024 exam.

- **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, and 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, the 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 inequations 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 notion and set language.
  - Rational expressions and conditional identities.
  - Laws of indices.
- Trigonometry
  - Sine x, cosine x, Tan x when  $0^\circ < x < 90^\circ$ , Values of sin x, cos x & tan x, for  $x = 0^\circ, 30^\circ, 45^\circ, 60^\circ$  &  $90^\circ$ .
  - Simple trigonometric identities.
  - Use of trigonometric tables.
  - Simple cases of heights and distances.
- Geometry
  - Plane and plane figures, Lines and angles, Theorems on:
    - Properties of angles at a point
    - Parallel lines
    - Sides and angles of a triangle
    - Congruency of triangles
    - Similar triangles
    - Concurrence of medians and altitudes
    - Properties of sides, angles and diagonals of a rectangle, parallelogram and square
    - Circles and their properties including tangents and normal, Loci.
- Mensuration
  - Areas of parallelograms, squares, rectangles, triangles and circles.



- 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.
- Statistics
  - Collection and tabulation of statistical data.
  - Graphical representation of frequency polygons, bar charts, histograms, pie charts, Measures of central tendency.

Read more at: <https://www.studyiq.com/articles/cds-syllabus/>

## UPSC CDS Syllabus 2024 FAQs

### ○ What is the syllabus of CDS?

For admission to INA, IMA and AFA, CDS syllabus consists mainly of English, General Knowledge, and Elementary Mathematics while for admission to OTA, only English and General Knowledge subjects are included.

### ○ Is CDS OTA hard to crack?

The CDS exam is one of the tough exams to qualify. But with proper planning and dedication, one can easily crack the exam without coaching as well.

### ○ What is the syllabus for CDS 1 2024?

The CDS 1 2024 syllabus includes English, General Knowledge, and Elementary Mathematics.

### ○ Can I skip maths paper in CDS?

Candidates can skip the math paper in the CDS exam by applying for the Officers' Training Academy (OTA) as their first preference.

### ○ Is CDS maths tough?

The CDS Maths section is considered more difficult than other competitive exams. The questions are based on concepts, and the paper is lengthy and tricky.

## Study Materials -



➤ **Maths**  
[CLICK HERE](#)

➤ **Polity**  
[CLICK HERE](#)

➤ **Geography**  
[CLICK HERE](#)

**Past Year Question Papers [PYQ]-**  
[CLICK HERE](#)