UPSC CDS Exam Pattern - Indian Military Academy, Indian Naval And Air Force Academy

S NO	Subject	Marks	Duration
1	English	100	2 hours
2	General Knowledge	100	
3	Elementary Mathematics	100	
	Total	**300**	

Check UPSC CDS Test Pattern - Officer's Training Academy

S NO	Subjects	Marks	Time Duration
1	English	100	2 hours
2	General Knowledge	100	
	Total	**200**	

UPSC CDS Exam Syllabus

UPSC CDS Exam Syllabus – English

- Synonyms
- Antonyms
- Reading Comprehension
- Para Jumbles
- Error Spotting
- Jumbled Sentences
- Sentence Correction
- Fill in the Blanks

UPSC CDS GK Syllabus

- Knowledge of current topics
- History of India and Geographical issues
- Indian Economy covered in CDS Exam Syllabus
- Books and Authors name
- Indian Navy & Military
- Monuments of India
- Religions
- Banking Sector
- Universities included in CDS Exam Syllabus
- Books & Authors covered in CDS Exam Syllabus
- Taxation
- Sports – Awards etc.

UPSC CDS Exam Syllabus - Maths

1. Arithmetic

- Number System – Natural numbers, Integers, Rational & Real numbers. Fundamental operations
- Unitary method – time & distance, time & work, percentages, applications to simple and compound interest, profit and loss, ratio and proportion, variation.
- Multiples and factors
- Elementary Number Theory
- Euclidean algorithmPrime and composite numbers.
- Division algorithm.
- Tests of divisibility by 2, 3, 4, 5, 9 and 11.
- .H.C.F. and L.C.M.
- Factorisation Theorem.

2. Algebra

- Basic Operations
- Simple factors,
- Remainder Theorem,
- H.C.F., L.C.M.
- Theory of polynomials, s
- Quadratic equations,
- The relation between its roots & coefficients (Only real sources to be considered).
- Simultaneous linear equations in two unknowns-analytical and graphical solutions.
- Rational expressions and conditional identities,
- Laws of indices.

3. Trigonometry

- Sine x,
- cosine x,
- Simple trigonometric identities,
- Values of sin x, cos x & tan x, for x = 0, 30, 45, 60 and 90 degrees,
- Tangent x when $0 < x < 90$ degrees,
- Use of trigonometric tables.
- Simple cases of heights and distances.

4. Geometry

- Lines and angles,
- Plane and plane figures,
- 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 angles, sides, & diagonals of a parallelogram, rectangle, and square
- Circles & its properties including tangents and normals, (ix) Loci.

5. Mensuration

- Areas of squares,
- rectangles,
- triangle, & circle.
- Areas of figures which can be split up into these characters (Field Book),
- Surface area & volume of cuboids,
- Surface area and size of spheres.

6. Statistics

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