

NDA 2026 Syllabus (Maths & GAT) - Detailed Topic-Wise Breakdown

The **NDA 2026 syllabus** is officially prescribed by **UPSC** for candidates aspiring to join the **Indian Army, Navy, and Air Force** through the **National Defence Academy (NDA) & Naval Academy (NA) Examination**. A clear understanding of the **topic-wise NDA Maths and GAT syllabus** is essential for smart preparation, time management, and scoring high marks.

This article provides a **complete, detailed, and SEO-optimised breakdown of the NDA 2026 syllabus**, covering **Mathematics and General Ability Test (GAT)**, followed by **important preparation insights and FAQs**.

NDA 2026 Exam Structure (Quick Overview)

Paper	Subject	Duration	Marks
Paper I	Mathematics	2.5 Hours	300
Paper II	General Ability Test (GAT)	2.5 Hours	600
Total	—	5 Hours	900 Marks

NDA 2026 Mathematics Syllabus - Topic-Wise Breakdown

The **Mathematics paper** tests numerical ability, logical thinking, and problem-solving skills. Questions are based on **Class 11 & 12 CBSE level**.

1. Algebra

- Sets, Relations & Functions
- Real Numbers
- Complex Numbers
- Quadratic Equations
- Linear Inequalities
- Permutations & Combinations
- Binomial Theorem
- Sequences & Series
- Logarithms

2. Matrices & Determinants

- Types of Matrices
- Matrix Operations
- Determinant of a Matrix
- Inverse of a Matrix
- Solution of Linear Equations using Matrices

3. Trigonometry

- Trigonometric Ratios & Identities
- Trigonometric Equations
- Inverse Trigonometric Functions
- Heights & Distances

4. Analytical Geometry

- Straight Lines
- Pair of Straight Lines
- Circles
- Parabola, Ellipse & Hyperbola
- Rectangular Coordinates
- Distance Formula

5. Differential Calculus

- Concept of Limits & Continuity
- Derivatives
- Application of Derivatives
- Rate of Change

- Increasing & Decreasing Functions

6. Integral Calculus

- Indefinite Integrals
- Definite Integrals
- Application of Integrals
- Area Under Curves

7. Vector Algebra

- Vectors and Scalars
- Vector Addition
- Dot Product
- Cross Product
- Applications of Vectors

8. Statistics & Probability

- Mean, Median & Mode
- Variance & Standard Deviation
- Probability Concepts
- Conditional Probability

NDA Mathematics - Key Points

- Total Questions: **120**
- Maximum Marks: **300**
- Negative Marking: **-0.83 per wrong answer**

NDA 2026 GAT Syllabus - Detailed Breakdown

The **General Ability Test (GAT)** checks a candidate's **language skills, scientific knowledge, social awareness, and current affairs**.

Part A: English (200 Marks)

English Syllabus

- Grammar & Usage
- Vocabulary (Synonyms, Antonyms)
- Sentence Improvement
- Error Spotting
- Idioms & Phrases
- Comprehension Passages
- Cloze Test

□□ Focus on **reading practice and grammar rules**.

Part B: General Knowledge (400 Marks)

1. Physics

- Physical Properties & States of Matter
- Motion, Laws of Motion
- Work, Energy & Power
- Heat & Thermodynamics
- Light & Sound
- Electricity & Magnetism

2. Chemistry

- Physical & Chemical Changes
- Elements, Compounds & Mixtures
- Acids, Bases & Salts

- Metals & Non-Metals
- Fuels & Combustion
- Fertilizers & Pesticides

3. General Science

- Human Body & Nutrition
- Diseases & Prevention
- Plants & Animals
- Environment & Ecology

4. History

- Ancient Indian History
- Medieval Indian History
- Modern Indian History
- Freedom Struggle
- Important Movements & Leaders

5. Geography

- Earth & Solar System
- Physical Geography
- Climate & Weather
- Rivers, Mountains & Oceans
- Indian Geography
- Natural Resources

6. Civics (Polity)

- Indian Constitution

- Fundamental Rights & Duties
- Union & State Government
- Panchayati Raj
- Judiciary

7. Current Affairs

- National & International Events
- Defence-related News
- Sports
- Awards & Honors
- Important Appointments

NDA GAT - Key Points

- Total Questions: **150**
- Maximum Marks: **600**
- Negative Marking: **-1.33 per wrong answer**

NDA 2026 Syllabus - Preparation Strategy (Quick Tips)

- Cover **Maths daily** to build speed & accuracy
- Focus more on **GAT (60% weightage)**
- Revise **NCERT Class 9-12 books** thoroughly
- Practice **previous year NDA questions**
- Read newspapers for **current affairs & English**

Why NDA 2026 Syllabus Understanding is Crucial

- Helps in **targeted preparation**

- Prevents wasting time on irrelevant topics
- Improves **exam confidence**
- Enhances **score & selection chances**

Frequently Asked Questions (FAQs)

Q1. Is NDA 2026 syllabus based on NCERT?

Yes, the NDA syllabus is primarily based on **NCERT Class 11 & 12** standards.

Q2. Which subject has more weightage in NDA exam?

The **GAT paper** carries **600 marks**, making it more important than Mathematics.

Q3. Is Maths compulsory to qualify NDA?

Yes, candidates must **clear Mathematics paper separately**.

Q4. Are questions repeated from previous NDA exams?

Concepts are often repeated, but questions are **rarely the same**.

Q5. How much current affairs is required for NDA 2026?

At least **6-8 months of current affairs** preparation is recommended.

Q6. Is the NDA syllabus same for Army, Navy & Air Force?

Yes, the **written exam syllabus is the same** for all wings.

Conclusion

The **NDA 2026 syllabus (Maths & GAT)** forms the backbone of your preparation. A **topic-wise approach**, combined with consistent revision and practice, is the key to cracking the NDA written exam and moving one step closer to becoming an officer in the **Indian Armed Forces** 🇮🇳.

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