

**NDA**

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# NDA Study Material 2025: Download Subject-wise NDA Notes PDF

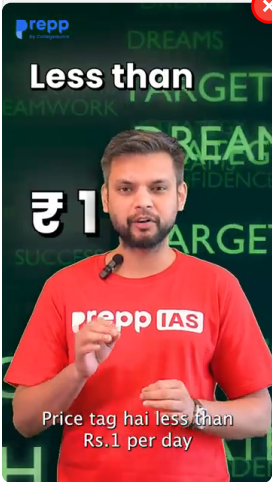
NDA 2025 written exam consists of 2 sections - Mathematics and General Ability Test (GAT). Both papers will have Objective MCQ-Type Questions. You need to refer to good study material to prepare in the most effective way. A total of 270 questions will be asked for 900 marks- 120 questions for Maths and 150 questions for GAT. There is a negative marking of 1/3 marks for the incorrect answer. While choosing the study material you should have thorough knowledge of the [NDA exam pattern](#) and syllabus.

NDA study notes for both GAT and Mathematics papers have been provided in PDF files which can be downloaded as per the requirements. The notes provided here will also be helpful during the NDA last-minute preparation as well. Candidates also can start practising the NDA previous years papers along with the study notes.

## NDA English Study Material 2025

English Language holds a major share in the GAT paper of the NDA 2025 exam. About 50 questions are asked from the English Language in the GAT Paper on different topics and sub-topics such as Error Spotting, Vocabulary, Idioms and Phrases, etc. The most important topics are Vocabulary, Grammar Usage, and Sentence Arrangement. Around 12-14 questions can be expected from these sections. Each question has a weightage of 4 marks.

NDA English Topic	NDA English Study Notes PDFs
Error Spotting	<a href="#">Tips, Cut Solved Questions, and Sample Questions for Error Spotting</a>
One Word Substitution	<a href="#">Categories, Terms, Solved Questions and MCQs on One Word Substitution</a>
Synonyms & Antonyms	<a href="#">List and Quiz on Synonyms &amp; Antonyms</a>
Idioms & Phrases	<a href="#">List of Important Idioms &amp; Phrases with MCQs</a>
Sentence Correction	<a href="#">Rules and Practice Questions on Sentence Corrections</a>
Active and Passive Voice	<a href="#">Definition, Types, and Practice Questions on Active &amp; Passive Voice</a>
Direct and Indirect Speech	<a href="#">Definition, Rules, and Practice Questions on Direct &amp; Indirect Speech</a>
Sentence Rearrangement	<a href="#">Types, Correct Approach, Sample Question with MCQs on Sentence Rearrangement</a>
Reading comprehension	<a href="#">Types, How to Tackle, Sample Comprehension with Practice Questions on Reading Comprehension</a>
Para Jumbles	<a href="#">Concept, Types, Approach with Practice Questions on Para Jumbles</a>
Cloze Test	<a href="#">Tips, Practice Questions with Sample MCQs on Cloze Test</a>
Fill in the Blanks	<a href="#">Important Topics, Solved Question and MCQs on Fill in the Blanks</a>
Paragraph Completion	<a href="#">Approaches, Tips &amp; Tricks, Sample MCQs for Paragraph Completion</a>
Sentence Connectors	<a href="#">Concept, Solved Questions and Practice Questions on Sentence Connectors</a>
Grammar)- Verb	<a href="#">Concept, Rules, with Solved Examples on Verb</a>
Grammar)- Adjectives	<a href="#">Concepts, Rules, with Solved Questions of Adjectives</a>
Grammar)- Adverbs	<a href="#">Definition, Rules, with Examples on Adverbs</a>



Miscellaneous (Grammar)- Articles	Notions, Types, Rules with Solved Questions on Articles
Miscellaneous (Grammar)- Conjunctions	Types, Rules, Concepts with Examples on Conjunctions
Miscellaneous (Grammar)- Noun	Concept, Types, Important Point with Examples on Noun
Miscellaneous (Grammar)- Preposition	Uses of Preposition, Rules, Solved Question with Practice Questions
Miscellaneous (Grammar)- Pronoun	Types and Examples with Practice Questions on Pronoun

### NDA Maths Study Material 2025

In the NDA syllabus, Mathematics occupies a major share of the total weightage of the exam. There are 300 marks out of a total of 900 marks. A total of 120 questions in one paper are asked from the NDA Maths section only. Questions are generally based on the 10+2 standard Maths topics such as Algebraic Equations, Number Systems, Differentiation etc. As per the last few years of question paper analysis, this section had a higher level of difficulty than other sections. Topics such as Set Theory, Relations and Functions, Trigonometry, Geometry, Quadratic Equations and Inequality are crucial. There are around 11-13 questions that can be expected from these topics, whereas approx 8-9 questions are asked from Probability, Calculus, and Vector Algebra.

NDA Mathematics Topic	NDA Mathematics Study Notes PDF
Algebraic Equations	Linear, Quadratic and Cubic Equations
Angle Between Two Planes	How to Calculate, Calculation of Angle Between Two plane in the Cartesian Plane
Application Of Derivatives	Rate of Change of a Quantity, Increasing and Decreasing Functions, Tangent and Normal to a Curve
Area Under Curve	How to Determine the Area Under the Curve?
Arithmetic Progression	Meaning, Concepts, Exercise
Bayes’ Theorem	Meaning, Concepts, Bayes Theorem Proof, Bayes Theorem Formula
Binomial Distribution	Binomial Probability Distribution, Formula, Mean & Variance
Binomial Theorems	Meaning, Concepts, Binomial Theorem if n is negative or fractional
Cartesian Product	Cartesian Product of Sets, Ordered Pairs & Relatinal Algebra
Conditional Probability	Marginal, Joint Probability Formula
Continuity and Differentiability	Differentiability Formula
Continuity and Discontinuity	Discontinuity Definition, Types of Discontinuity
Conic Section	Focus, Eccentricity and Directrix of Conic
De Morgan Law	Complement of Sets Properties, De Morgan’s Laws Statement and Proof
Definite Integrals	Definite Integral as Limit of Sum, Properties of Definite Integrals Proofs
Differential Equations	Classification of Differential Equations, Differential Equations – Based on Homogeneity
Differentiation	What is Differentiation?, Differentiation Formulas & Derivative of Function as Limits

Direction Cosines and Direction Ratios	Direction Cosines
Distance Between Two Points	Distance Between Point and Line Derivation, Distance Between Two Parallel Lines
Distance Between Two Points	What are the Coordinates of a point?, Distance Between Two Points – Using Pythagoras Theorem
Equation in a Circle	Equation of a Circle When the Centre is not an Origin, Equation of a Circle in General Form
The equation in a Line	General Equation of a Line, Slope-intercept Form & Intercept Form
Equation in a Plane	Equation of a Plane in the Normal and Cartesian Form
Equation of Sphere	Meaning, Concepts, Volume of a Sphere Equation, Surface Area of a Sphere Equation
Events in Probability	Events in Probability, Occurrence of an Event & Types of Events in Probability
Indefinite Integrals	Indefinite Integrals Definition, Indefinite Properties & Indefinite Integral Formulas
Integration	Integration – Inverse Process of Differentiation, Integrals in Maths & Integration Formulas
Introduction to Coordinate Geometry	Types of Coordinates in Analytical Geometry & Equation of a Line in Cartesian Plane
Inverse Trigonometric Functions	Concepts, Inverse Trigonometric Functions Graphs/Table
Limits and Continuity	Meaning, Concepts, Types of Discontinuity
Limits and Derivatives	Concepts, Derivatives of a Function, Solved Examples
Logarithms	Concepts, Types, Rules & Properties
Matrices and Determinants	Meaning, Types, Algebra Of Matrix
Maxima and Minima	Meaning, Concepts, Various Possibilities of Derivatives of a Function
Methods of Integration	Integration by Substitution, Integration By Parts, Integration Using Trigonometric Identities
Multiplication Rule of Probability	Multiplication Rule of Probability Statement and proof
Number System	Types, Integers, Fraction, Decimal, Divisibility Test
Permutation and Combination	Meaning, Concepts, Permutation vs Combination
Probability and Statistics - Introduction	Meaning, Terms Used, Formulas
Probability Distribution	Concepts, Types, Formulas, Probability Distribution Function
Sets and Venn Diagrams	Meaning, Concepts, Diagram, Symbols
Simplification	Addition, Subtraction, Multiplication, Square & Square Roots
Tangents and Normals	Tangents and Normals Equations, Solved Examples

Total Probability Theorem	<a href="#">Law of Total Probability, Theorem Statement, Theorem Proof</a>
Vector Algebra Operations	<a href="#">Addition, Subtraction, Multiplication &amp; Vector Algebra Formulas</a>
Vectors	<a href="#">Meaning, Types, Magnitude of a Vector, Direction of a vector, Components of a Vector</a>

You can download the study notes and materials for the NDA Exam 2025 free of cost here by clicking on the links provided in the tables. These notes will help you to easily understand and remember the topics.

### NDA Chemistry Study Material 2025

The questions in the NDA Chemistry section can be asked from the Chemistry Subject up to the level of Class 12th. The majority of the NDA questions are asked from the basics of Chemistry such as IUPAC Nomenclature of Chemicals, Various Chemical Reactions and their Products, Analytical Chemistry, and Organic Chemistry.

NDA Chemistry Topics	NDA Chemistry Study Material PDFs
Physical and Chemical Changes	<a href="#">Definition, Example, Uses of Physical &amp; Chemical Changes</a>
Air and Water (Properties)	<a href="#">Chemical Composition, Properties of Air &amp; Water</a>
Chemical Equations and Laws of Chemical Combination	<a href="#">Chemical Equations and Laws of Chemical Combination</a>
Elements, Compounds, and Mixtures	<a href="#">Elements, Compounds, and Mixtures</a>
Acids, Bases, and Salts	<a href="#">Acids, Bases, and Salts</a>
Properties of Oxygen, Hydrogen, etc. with Oxidation and Reduction	<a href="#">Properties of Oxygen, Hydrogen, etc. with Oxidation and Reduction</a>
Carbon and its Forms	<a href="#">Carbon and its Forms</a>
Atom and its Structure (details)	<a href="#">Atom and its Structure (details)</a>
Fertilizers	<a href="#">Classification, Types of Fertilizers</a>
Use of Materials for the Preparation of Different Chemicals	Coming Soon

### NDA Physics Study Material 2025

Physics, being one of the important science subjects, forms a major part of the science section in the NDA syllabus. The numerical questions in the NDA Physics part can be tricky ones. Concept and logic-based questions are mainly asked in the numerical part. Therefore it is essential to go through the basic concepts and applicable formulas in Physics to score healthy marks in the exam. It is advisable to prefer NCERT Physics Textbooks up to 12th standards for the basic concepts.

NDA Physics Topics	NDA Physics Study Materials PDFs
Physical Properties and States of Matter	<a href="#">Physical Properties and States of Matter</a>
Modes of Transference of Heat, Heating, Lighting and Magnetic Effects of Current	Coming Soon
Mass, Weight, Volume, Sound Waves and their Properties	<a href="#">Mass, Weight, Volume, Sound waves and their properties</a>
Simple Musical Instruments	<a href="#">Production of Sound, Sound Waves, Types of Instruments</a>

Rectilinear propagation of Light	Rectilinear propagation of Light
Density and Specific Gravity	Difference between Density and Specific Gravity
Reflection and Refraction	Coming Soon
Principle of Archimedes	Coming Soon
Pressure Barometer	Coming Soon
Human Eye	Human Eye
Motion of objects, Newton's Laws of Motion	Motion of objects, Newton's Laws of Motion
Velocity and Acceleration	Velocity and Acceleration
Natural and Artificial Magnets, Newton's Laws of Motion and Gravitation	Poles, Magnetic Field, Properties & Types of Magnet
Force and Momentum	Force and Momentum
Static and Current Electricity, Power and Energy	Static and Current Electricity, Power and Energy
Conductors and Non-conductors	Meaning, Applications of Conductors, Examples of Insulators, Difference between Conductors & Insulators
Simple Electrical Circuits	Kirchoff's Law, Electric Cell, Solved Examples
Elementary Ideas of work	Elementary ideas of work, power and energy
Stability and Equilibrium of bodies and Ohm's Law	Stability and Equilibrium of bodies and Ohm's Law
Primary and Secondary Cells	Meaning of Primary and Secondary Cells, Difference between Primary and Secondary Cells
Use of X-Rays	Electromagnetic Spectrum: X-rays, Property, Type, Uses of X-rays
General Principles in the working of Simple Pendulum, Simple Pulleys, Siphon, Levers, Balloon, Pumps, Hydrometer, Pressure Cooker, Thermos Flask, Gramophone, Telegraphs, Telephone, Periscope, Telescope, Microscopes, Mariner's Compass; Lightning Conductors, Safety Fuses	Simple Pulley, Types of Pulleys

## NDA Geography Study Material 2025

Geography is one of the most important sub-sections of the General Awareness part of the UPSC NDA Exam. Questions can be asked on the topics and facts related to national as well as World Geography. It may include sub-topics such as Environmental Geography, Biogeography, Important Rivers etc.

NDA Geography Topics	NDA Geography Study Material PDFs
Earth and its Origin and Movement (latitudes and longitudes)	<a href="#">Earth and its Origin and Movement</a>
Rocks and its Classification	<a href="#">Rocks and Its classification</a>
Types of Climate	<a href="#">Types of Climate</a>
Agricultural and Industries	<a href="#">Agricultural and Industries</a>
Imports and Exports of India	<a href="#">International Trade of India, Top Export &amp; Import Commodities and Services</a>
Tides and Oceanic Currents	<a href="#">Meaning, Impact, Types, Characteristics of Tides</a>
The atmosphere and Atmospheric Pressure	<a href="#">The atmosphere and Atmospheric Pressure</a>
Regional Geography of India	<a href="#">Regional Geography of India</a>
Transportation and Trading routes of India	<a href="#">Transportation and Trading routes of India</a>

## NDA History Study Material 2025

In NDA Exam, questions can be asked about the historical topics under the General Awareness section. Questions related to modern history as well as Ancient History. The majority of the questions are asked from Indian History, however, questions can be asked from important worldwide historical events such as World War, Civil War, etc.

NDA History Topics	NDA History Study Notes PDFs
Indian History: Culture and Civilisation	<a href="#">Indian History: Culture and Civilisation</a>
Constitution and Administration of India	<a href="#">Constitution and Administration of India</a>
Nationalism in India	<a href="#">Khilafat and Non-Cooperation, Satyagraha, The Rowlatt Act, Jallianwala Bagh Massacre, Civil Disobedience Movement</a>
Government of India at various levels	Coming Soon
Five Year plans of India	<a href="#">Five Year plans of India</a>
Renaissance and Discovery	<a href="#">Introduction, Renaissance in Italy, Revival of Classical Literature, Renaissance Literature, Art &amp; Sculpture</a>
French, Russian, and Industrial Revolution	<a href="#">Causes, Stages, Significance of French Revolution, Russian &amp; Industrial Revolution</a>
United Nations and the Concept of one world	<a href="#">History &amp; Components of United Nations</a>
Democracy in India	<a href="#">Introduction, Philosophical basis &amp; Idea of Democracy</a>
Teachings of Mahatma Gandhi	Coming Soon

NDA Indian Polity Study Material 2025

The candidates aspiring for the NDA Exam 2025 must have basic knowledge about the Indian Polity as some questions are asked from the topics such as the Constitution of India, Preamble of India, Fundamental Rights, Political Hierarchy, etc.

NDA Polity Topic	NDA Polity Study Notes PDFs
Important Articles of the Constitution	<a href="#">Important Articles of the Constitution</a>
Features of Constitution	<a href="#">Features of Constitution</a>
Making of Indian Constitution	<a href="#">Making of Indian Constitution</a>
The Indian Constitution - Preamble	<a href="#">The Indian Constitution - Preamble</a>
Indian Constitution- Union and its Territories	<a href="#">Indian Constitution- Union and its Territories</a>
Fundamental Rights & Duties	<a href="#">Fundamental Rights &amp; Duties</a>
Directive Principles & State Policies (DPSP)	<a href="#">Directive Principles &amp; State Policies (DPSP)</a>
Indian Constitution: President of India	<a href="#">Indian Constitution: President of India</a>
Indian Constitution: Vice President of India	<a href="#">Indian Constitution: Vice President of India</a>
Indian Constitution: Parliament	<a href="#">Indian Constitution: Parliament</a>
Judiciary System of India	<a href="#">Judiciary System of India</a>
Constitutional Bodies	<a href="#">Constitutional Bodies</a>
Non-Constitutional Bodies	<a href="#">Non-Constitutional Bodies</a>
Important Notes on Lok Sabha	<a href="#">Important Notes on Lok Sabha</a>
Indian Constitution: Chief Minister & Council of Ministers	<a href="#">Details about Chief Ministers; Organization &amp; Composition of State Legislature</a>
Indian Constitution: Governor	<a href="#">Indian Constitution: Governor</a>

NDA Economics Study Material 2025

As per the last years' NDA Exam Papers, questions are often asked from the topics of economics such as World and Indian Economics, Economic Reforms and Various Policies, Information about Various Economic Organizations etc.

NDA Economy Topics	NDA Economy Study Notes PDFs
Five Year Plans of India	<a href="#">Five Year plans of India</a>
Union Budget of India	<a href="#">Union Budget, Revenue Receipts, Budget Terms &amp; Definitions</a>
Highlights of Union Budget - 2020-21	Coming Soon
Economic Survey: Important Points	<a href="#">Key Highlights of Economic Survey 2020-21</a>

NDA Static GK Study Material 2025



Static General Knowledge (GK) is a broad section covering various sub-topics such as Monuments, Sanctuaries and National Parks, Culture and Heritage of India, etc. We have provided here a list of study notes for the static GK part that will help you during the exam.

NDA Static GK Topics	NDA Static GK Study Notes PDF
Static GK: Firsts in India	<a href="#">Static GK: Firsts in India</a>
Static GK: Largest, Smallest, Tallest, Highest in India	<a href="#">Static GK: Largest, Smallest, Tallest, Highest in India</a>
International Organisations Notes	<a href="#">International Organisations Notes</a>
List of Important Days & Dates	<a href="#">List of Important Days &amp; Dates</a>
List of Important Days & Dates	<a href="#">List of Important Days &amp; Dates</a>
List of Stadiums in India	Coming Soon

Best Books for NDA 2025 Preparation

Books	Authors/ Publishers
Objective General English	SP Bakshi
High School English Grammar and Composition	Wren and Martin
Word Power Made Easy	Norman and Lewis
Objective GK	Sanjiv Kumar
Indian Polity	Laxmikant
NCERT Books (Class 11-12)	NCERT
Manorama Yearbook	Manorama
Quantitative Aptitude for Competitive Examinations	RS Aggarwal
NDA Entrance Exam	ES Ramasamy
Mathematics for NDA/ NA	RS Aggarwal

NDA Preparation Tips 2025

- **Mathematics-** For this section, having a clear basic is very important along with proper time management.
- **English-** Grammar rules are necessary. You should inculcate a daily habit of reading newspapers and magazines to improve your vocabulary.
- **General Knowledge and Current Affairs-** You must follow the latest updates and be aware of events in sports, arts, literature, etc.
- **Physics-** The syllabus for this section is huge so extra focus is required for maximum weightage such as Force, Mass, Momentum, and Ohm’s Law. You must also make notes of formulae and definitions.
- **Chemistry-** Revise Chemical Reactions on a regular basis and solve previous year questions to practice important topics.
- **Biology-** You can revise your high school syllabus and make notes on the same to cover this section efficiently.

After appearing in the NDA written test, candidates who meet the NDA Cutoff, will be called for the SSB Interview round. The round comprises of two separate tests – the Psychological Aptitude Test and Intelligence Test. After the Medical Test, the authorities release the list of selected candidates.

**\*The article might have information for the previous academic years, please refer the official website of the exam.**