

# National Defence Academy



Indian Army



Indian Air Force



Naval Academy



Indian Navy

# About NDA

- \* The National Defence Academy is a Joint Services academy of the Indian Armed Forces, where cadets of the three services, the Army, the Navy and the Air Force are trained together before they go on to pre-commissioning training to their respective service academies. It is located in Khadakwasla near Pune, Maharashtra. It was the 1st tri-service academy in the world and is rated amongst the best in the world.

# NDA admission trivia

- \* Applicants to the NDA are selected via a written exam conducted by the UPSC, followed by extensive interviews covering general aptitude, psychological testing, team skills as well as physical and social skills, along with medical tests.
- \* Incoming classes are accepted twice a year for semesters starting in July and January. About 320,000 applicants appear for each written exam.
- \* Typically, about 9,000 of these are invited to interview.
- \* Applicants to join the Air Force also go through a Pilot Aptitude Battery Test.
- \* About 300-350 cadets are accepted to the academy each semester. About 66 cadets are accepted for the Air Force, 39 for the Navy and 195 for the Army.

# Eligibility Criteria

- \* Unmarried male candidates only
- \* Age between 16 1/2 to 19 years
- \* Nationality: Indian, (c) Educational Qualifications :
  - \* (i) For Army wing of National Defence Academy :- 12th Class pass of the 10+2 pattern of School Education or equivalent examination conducted by a State Education Board or a University.
  - \* (ii) For Air Force and Naval Wings of National Defence Academy and for the 10+2 Cadet Entry Scheme at the Indian Naval Academy :- 12th Class pass of the 10+2 pattern of School Education or equivalent with Physics and Mathematics conducted by a State Education Board or a University.
- \* Candidates who are appearing in the 12th Class under the 10+2 pattern of School Education or equivalent examination can also apply for this examination.

# How to apply?

- \* About a year before the commencement of a Course, a brief notice appears in the leading daily newspapers and a detailed notification on the website, offering details about the selection procedure (listed below) to be held by the UPSC six months later.
- \* A written examination will be held by the Union Public Service Commission.
- \* An interview by the Service Selection Board to assess a candidate's officer potentialities (Intelligence and personality test).
- \* A medical examination by a Service Medical Board.

# Important Dates

- \* **Tentative Schedule:** (Examination held twice a year)
- \* **Notification of Examination**
- \* Feb and July
- \* **Conduct of Examination**
- \* April and September



# Scheme of the Examination

- \* The subjects of the written examination, the time allowed and the maximum marks allotted to each subject are as follows :

Subject	Code	Duration	Max Marks
Mathematics	01	2 ½ hours	300
General Ability	02	2 ½ hours	600
			900

- \* The papers in all the subjects will consist of objective type questions only. the question papers (Test Booklets) will be set in English only.

# Syllabus for Entrance Examination

- \* Paper I - Mathematics : (Maximum Marks 300)  
Arithmetic, Mensuration, Algebra, Geometry,  
Trigonometry, Statistics.
- \* Paper II - General Ability
  - \* Part A - English (Maximum Marks 200)
  - \* Part B - General Knowledge (Maximum Marks 400)

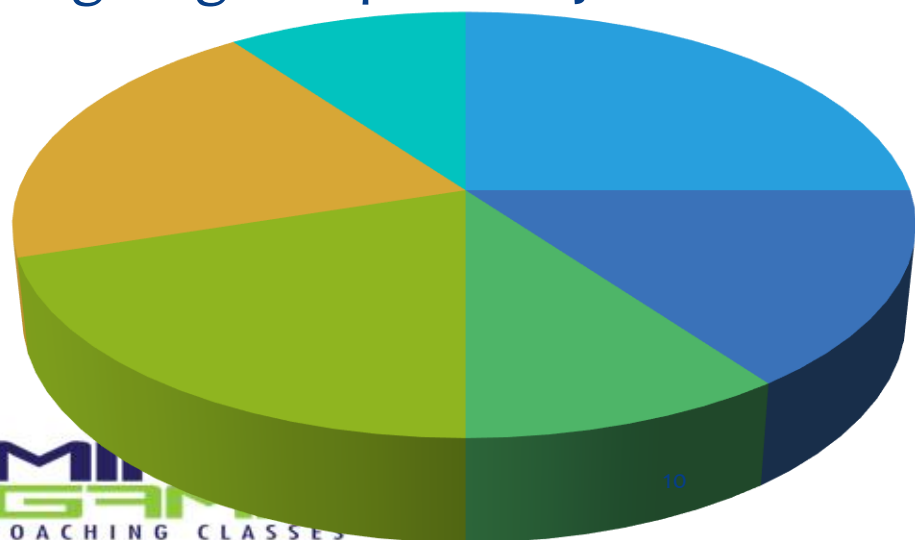


# Syllabus for Entrance Examination

- \* General Ability – Part B consists of the following section:
  - \* Section A (Physics)
  - \* Section B (Chemistry)
  - \* Section C (General Science)
  - \* Section D (History, Freedom Movement etc)
  - \* Section E (Geography)
  - \* Section F (Current Event)

# Syllabus for Entrance Examination

- \* Out of the maximum marks assigned to this part, questions on Sections A, B, C, D, E and F carry approximately 25%, 15%, 10%, 20%, 20% and 10% weightage respectively.



- Physics
- Chemistry
- General Science
- History
- Geography
- Current Event

# 5 Level Program

1. Best Faculty & Best Coaching -Most of the faculties have cleared NDA Exam
2. Best up-to-date study material with test series
3. Widespread network of the branches which gives you branch and time flexibility.
4. Information System about via SMS & Email which inform you all latest update about various examination date.
5. Expert panel will prepare you for your Service Selection Board (SSB) Interview.

# 5 Level Program

Level 1

# Mock Test And Analysis

# Level 1 - Mock Test

- \* As a simulation of the actual test, we conduct a Mock test to gauge the level of the student.
- \* This helps us understand the strengths, grey areas to be polished to score better.



# Mock Test And Review

- \* Score and Review of the mock test will be mailed to you with in 24 hrs of the test
- \* A copy of time table will be mailed along with the result

# Level 2

## Classroom Coaching

# Classroom Coaching ( First Foundation then Advance

- \* Basic concept refresher as well as advance level of coaching.
- \* Chapter wise teaching.
- \* To make base stronger.
- \* Important technique implantation.
- \* Tricks and techniques.

# Classroom Coaching

- \* Mathematics
- \* English
- \* General Knowledge
- \* 1 ] Physics
- \* 2 ] Chemistry
- \* 3 ] General Science
- \* 4 ] History
- \* 5 ] Geography
- \* General Awareness

# Mathematics

- \* Arithmetic
- \* Mensuration
- \* Algebra
- \* Geometry
- \* Trigonometry
- \* Statistics

# English

- \* Part 'A' - ENGLISH (Maximum Marks 200)
- \* The question paper in English will be designed to test the candidate's understanding of English and workman like use of
- \* words. The syllabus covers various aspects
- \* like : Grammar and usage, vocabulary, comprehension and cohesion in extended text
- \* to test the candidate's proficiency in English.



# (Part B)General Knowledge

- \* General Knowledge
  - \* Physics
  - \* Chemistry
  - \* General Science
  - \* History, Freedom Movement etc
  - \* Geography
  - \* Current Event

# Physics

- Physical Properties and States of Matter,
- Mass, Weight, Volume, Density and Specific Gravity, Principle of Archimedes, Pressure Barometer.
- \* Motion of objects, Velocity and
- \* Acceleration, Newton's Laws of Motion,
- \* Force and Momentum, Parallelogram of
- \* Forces, Stability and Equilibrium of bodies, Gravitation, elementary ideas of work,
- \* Power and Energy.
- \* Effects of Heat, Measurement of temperature and heat, change of State and Latent
- \* Heat, Modes of transference of Heat.
- \* Sound waves and their properties, Simple
- \* musical instruments.
- \* Rectilinear propagation of Light, Reflection
- \* and refraction. Spherical mirrors and
- \* Lenses. Human Eye.
- \* Natural and Artificial Magnets, Properties
- \* of a Magnet, Earth as a Magnet.
- \* Static and Current Electricity, conductors
- \* and Non-conductors, Ohm's Law, Simple
- \* Electrical Circuits, Heating, Lighting and
- \* Magnetic effects of Current, Measurement
- \* of Electrical Power, Primary and Secondary Cells, Use of X-Rays.
- \* General Principles in the working of the following:
- \* Simple Pendulum, Simple Pulleys, Siphon,
- \* Levers, Balloon, Pumps, Hydrometer, Pressure Cooker, Thermos Flask, Gramophone,
- \* Telegraphs, Telephone, Periscope, Telescope, Microscope, Mariner's Compass;
- \* Lightning Conductors, Safety Fuses.

# Chemistry

- \* Physical and Chemical changes. Elements,
- \* Mixtures and Compounds, Symbols, Formulae and simple Chemical Equations,
- \* Law of Chemical Combination (excluding problems). Properties of Air and Water.
- \* Preparation and Properties of Hydrogen,
- \* Oxygen, Nitrogen and Carbondioxide, Oxidation and Reduction.
- \* Acids, bases and salts.
- \* Carbon - different forms.
- \* Fertilizers - Natural and Artificial
- \* Material used in the preparation of substances like soap, Glass, Ink, Paper, Cement,
- \* Paints, Safety Matches, and Gun-Powder.
- \* Elementary ideas about the Structure of
- \* Atom, Atomic, Equivalent and Molecular
- \* Weights, Valency.

# General Science

- \* Difference between the living and non- living.
- \* Basis of Life - Cells, Protoplasms and Tissues.
- \* Growth and Reproduction in Plants and Animals.
- \* Elementary knowledge of Human Body and its important organs.
- \* Common Epidemics, their causes and prevention.
- \* Food - Source of Energy for man. Constituents of food, Balanced Diet.
- \* The Solar System - Meteors and Comets, Eclipses.
- \* Achievements of Eminent Scientists

# History

- \* A broad survey of Indian History, with emphasis on Culture and Civilisation.
- \* Freedom Movement in India.
- \* Elementary study of Indian Constitution and Administration.
- \* Elementary knowledge of Five Year Plans of India.
- \* Panchayati Raj, Co-operatives and Community Development.
- \* Bhoodan, Sarvodaya, National Integration and Welfare State, Basic Teachings of Mahatma Gandhi.
- \* Forces shaping the modern world; Renaissance, Exploration and Discovery; War of American Independence. French Revolution, Industrial Revolution and Russian Revolution. Impact of Science and Technology on Society. Concept of one World, United Nations, Panchsheel, Democracy.
- \* Socialism and Communism. Role of India in the present world.

# Geography

- \* The Earth, its shape and size. Latitudes
- \* and Longitudes, Concept of time. International Date Line. Movements of Earth and their effects.
- \* Origin of Earth. Rocks and their classification; Weathering - Mechanical and Chemical, Earthquakes and volcanoes.
- \* Ocean Currents and Tides
- \* Atmosphere and its composition; Temperature and Atmospheric Pressure, Planetary
- \* Winds, cyclones and Anti-cyclones; Humidity; Condensation and Precipitation; Types
- \* of Climate. Major Natural regions of the
- \* World.
- \* Regional Geography of India - Climate,
- \* Natural vegetation. Mineral and Power resources; location and distribution of agricultural and industrial activities.
- \* Important Sea ports and main sea, land and
- \* air routes of India. Main items of Imports
- \* and Exports of India.



# General Awareness

- \* Knowledge of Important events that have
- \* happened in India in the recent years.
- \* Current important world events.
- \* Prominent personalities - both Indian and
- \* International including those connected
- \* with cultural activities and sports.

# Classroom Coaching

Time	L No	Topics	Lecture Plan	Home Work	Duration	Remarks
	L-1	arithmetic			1.5 Hrs	
	L-2	arithmetic			1.5 Hrs	
	L-3	algebra			1.5 Hrs	
	L-4	algebra			1.5 Hrs	
	L-5	geometry			1.5 Hrs	
	L-6	geometry			1.5 Hrs	
	L-7	trigonometry			1.5 Hrs	
	L-8	trigonometry			1.5 Hrs	
	L-9	mensuration			1.5 Hrs	
	L-10	mensuration			1.5 Hrs	
	L-11	statistics			1.5 Hrs	
	L-12	statistics			1.5 Hrs	
		English				
	L-13	Reading Comprehension			1.5 Hrs	
	L-14	English Grammer			1.5 Hrs	
	L-15	English Grammer			1.5 Hrs	

# Classroom Coaching

		General Awareness				
-	L-16	Physics	-	-	1.5 Hrs	-
-	L-17	Physics	-	-	1.5 Hrs	-
-	L-18	Chemstry	-	-	1.5 Hrs	-
	L-19	Chemstry			1.5 Hrs	
	L-20	General Science			1.5 Hrs	
	L-21	General Science			1.5 Hrs	
	L-22	History			1.5 Hrs	
	L-23	History			1.5 Hrs	
	L-24	Geography			1.5 Hrs	
	L-25	Geography			1.5 Hrs	
	L-26	Current Events			1.5 Hrs	
	L-27	Current Events			1.5 Hrs	

# Level 3 Practice

# Practice

- \* Practice to enhance speed and performance.
- \* Tougher NDA problems will be handled.
- \* Ways to analyze the questions will be taught

# Practice

Time	L No	Topics	Lecture Plan	Home Work	Duration	Remarks
	L-1	arithmetic			1.5 Hrs	
	L-2	arithmetic			1.5 Hrs	
	L-3	algebra			1.5 Hrs	
	L-4	algebra			1.5 Hrs	
	L-5	geometry			1.5 Hrs	
	L-6	geometry			1.5 Hrs	
	L-7	trigonometry			1.5 Hrs	
	L-8	trigonometry			1.5 Hrs	
	L-9	mensuration			1.5 Hrs	
	L-10	mensuration			1.5 Hrs	
	L-11	statistics			1.5 Hrs	
	L-12	statistics			1.5 Hrs	
		English				
	L-13	Reading Comprehension			1.5 Hrs	
	L-14	English Grammer			1.5 Hrs	
	L-15	English Grammer			1.5 Hrs	



# Level 4

## Test

# Test

- \* This test helps us to know the learning strength of the student and his level of understanding of the basic concepts that were taught.
- \* After that reviewing of your scores would be done by our experienced faculty members. They would identify your gray areas, the places where you require extra coaching to be given.

# Test

- \* This is to check how well you have mastered each topic
- \* Review would give an exact information on weak sections and portions where there is scope of improvement
- \* These tests are basically to build up accuracy

# Test

<u>Date</u>	<u>Lecture</u>	<u>Practice</u>	<u>Score</u>
	Task 1	NDA test 1	
	Task 2	NDA test 2	
	Task 3	NDA test 3	
	Task 4	NDA test 4	
	Task 5	NDA test 5	
	Task 6	NDA test 6	
	Task 7	NDA test 7	
	Task 8	NDA test 8	
	Task 9	NDA test 9	
	Task 10	NDA test 10	
	Task 11	NDA test 11	
	Task 12	NDA test 12	
	Task 13	NDA test 13	
	Task 14	NDA test 14	
	Task 15	NDA test 15	

# Level 5

## Preparing For Interview

# Preparing for Interview (Service Selection Board)

- \* **5 Day Programs :**

- \* The Candidates are called through “Call Letters” to appear in 5 days Tests at SSB  
(Allahabad/Bhopal/Bangalore/Mysore/Varanasi/Dehradun).

## **Time Table :**

1. Screening Test
2. Psychological Test
3. Group Testing Officers (GTO) Test
4. Group Testing Officers (GTO) Test
5. Interview

# FEES & Batch Timings

- \* Fee (As Per list)
  - \* For Group & 1-on-1
- \* Batch timing: Week days / Sundays
- \* Study material would be provided

Thank you!