

National Defence Academy & Naval Academy Exam (NDA) 2022

Conducted by
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NDA 2022 Pattern [Visit on Shiksha](#)

NDA exam pattern 2022 is such that it is divided into the written exam and SSB Interview. The written exam of [NDA](#) comprises two sections, Mathematics and General Ability Test. The total marks of the written exam are 900. Candidates qualifying the written exam are called for SSB Interview for Psychological Aptitude and Intelligence. The SSB Interview carries 900 marks. NDA exam pattern 2022 highlights the mode of exam, number of questions, total marks, time duration, etc. Read below for more details on the NDA exam pattern.

NDA 2022 Exam Pattern: Highlights

Candidates can check below a few important highlights related to the NDA exam pattern.

Particulars	Details
Exam Mode	Offline
Number of papers	GAT and Mathematics
Duration of test	GAT: 2 ½ hours Mathematics: 2 ½ hours
Exam time	GAT: 10 am to 12.30 pm Mathematics: 2 pm to 4.30 pm
Number of questions	GAT: 150 Mathematics: 120



Language of question paper	English and Hindi
Total marks	Written Exam: 900 (600 for GAT and 300 for Mathematics) SSB Interview: 900

NDA Exam Pattern 2022 for Written Exam

The exam paper of NDA written exam is divided into two parts, GAT and Mathematics. All the questions in the exam will be objective type. There will be a total of 150 questions in GAT while the Mathematics part will carry a total of 120 questions. Each section of the exam will be held for 2 ½ hours. The GAT section will be for 600 marks while the Mathematics section will carry 300 marks. The GAT section is divided into two parts. Part A comprises English while Part B consists of General Knowledge. The structure of the NDA exam pattern for the written exam is given below.

Papers	Subject	Maximum marks	Duration
Paper 1	Mathematics	300	2 ½
Paper 2	GAT	600	2 ½
Total		900	5 hours

Candidates can check below the distribution of questions in the GAT paper.

Sections	Maximum marks



Part A - English		200
Part B - General Knowledge	Physics	100
	Chemistry	60
	General Science	40
	History, Freedom Movement, etc.	80
	Geography	80
	Current Events	40
	Total	600

NDA Exam Pattern: Topic-Wise Distribution of Questions

Candidates can below the last three years' topic-wise distribution of questions in Maths.

Mathematics					
Chapter	2021	2021	2020	2019	
	II	I	I & II	I	II
Binary System of Numbers	0	0	1	0	1
Logarithms	1	1	2	1	1
Inequalities	0			0	1



Set Theory	4	3	4	8	6
Complex Number	5	5	2	4	2
Quadratic Equations	5	4	3	4	8
Sequence and Series	5	4	1	4	8
Permutation and Combination	7	2	3	4	5
Probability	8	5	10	15	9
Binomial Theorem	2	4	3	2	4
Matrices	5	3	3	3	2
Determinants	5	8	4	5	3
Real Numbers and Functions of Real variables	2	3	5	5	9
Limits, Continuity and Differentiability	5	4	6	2	3
Differentiation	4	4	2	2	1
Application of Derivatives	9	5	6	3	7
Indefinite Integrals	2	3	4	2	2
Definite Integrals	6	2	1	2	2
Area Bounded by					

Region	1	1	1	2	1
Differential Equations	3	4	6	5	4
Trigonometric Ratios, Identities and Equations	5	14	21	18	11
Inverse Trigonometrical Function	2	2		3	1
Properties of Triangle	0	3	2	1	2
Height and Distance	0	2		1	1
2D Analytical Geometry	4	1	2	2	2
Straight Line	2	6	5	4	2
Circle & Family of Circle	2	1	1	3	0
Parabola	2	2	1	1	0
Ellipse	0	0	1	1	1
Hyperbola	0	1		1	0
Vector	5	5	5	6	5
3D Analytical Geometry	5	5	5	3	5

Statistics	12	14	10	5	10
Total	120	120	120	120	120

Marking Scheme for NDA written exam

The marking scheme of NDA is formulated by UPSC. There are negative marks for wrong answers, 1/3 of the marks allotted to each question will be deducted for the incorrect answer. There is no deduction in marks for unanswered questions. The marking scheme of NDA is given below.

Sections	Marks for correct answer	Marks for incorrect answer
GAT	4	1.33
Mathematics	2.5	0.83

Also Read: [NDA mock test](#)

NDA Exam Pattern 2022 for SSB Interview

The SSB Interview is divided into two stages. Candidates qualifying the Stage 1 are called for the Stage 2 exam. Stage 1 of the SSB Interview comprises Officer Intelligence Rating (OIR) tests and Picture Perception and Description Test (PP&DT). Stage 2 comprises Group Testing Officer Tasks, Psychology Tests, and the Conference. This stage carries 900 marks. Candidates can check the pattern of the SSB Interview.



Stages		Tests
Stage 1	Screening Test	<ul style="list-style-type: none"> • Verbal and non-verbal tests. • PPDT
Stage 2	Psychological Test	<ul style="list-style-type: none"> • Thematic Apperception Test (TAT) • Word Association Test (WAT) • Situation Reaction Test (SRT) • Self Description Test (SD)
	Group Testing Officers Test	<ul style="list-style-type: none"> • GD • GPE • PGT • HGT • IOT • Command Task • Snake race/Group Obstacle Race • Individual lecture • FGT



	Personal Interview	-
	Conference	-

What Topics are Important for NDA exam?

The questions in Mathematics as per [NDA syllabus](#) aim to test a candidate's calculative skill. The standard of questions is basically of Class 10, 11, and 12 levels. For the Mathematics section, candidates can prepare the following topics:

- Arithmetic
- [Mensuration](#)
- [Algebra](#)
- Geometry
- Trigonometry
- Statistics, etc.
- Matrices and [Determinants](#)

The GAT section of [NDA question paper](#) carries questions from English and General Knowledge. For the English section, candidates must focus on Grammar, [Comprehension](#), and Reading Abilities. In General Knowledge, candidates should focus on Current Affairs, Physics, Chemistry, General Science, History, etc.

Also Read:



- [How to prepare for sequence and series?](#)
- [How to prepare for Set Theory?](#)
- [How to prepare for Probability?](#)
- [How to prepare for Integration?](#)
- [How to prepare for Conic sections?](#)
- [How to prepare for Limits and Derivatives?](#)
- [How to prepare for Differential Equations?](#)

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- [NDA Preparation Tips](#)
- [Best books for NDA](#)

NDA Exam Pattern 2022 FAQs

Q. In which mode NDA exam is conducted?

A. NDA exam is conducted offline across various cities spread throughout the country.

Q. How many questions are asked in NDA GAT?



A. GAT paper of NDA comprises a total of 150 questions.

Q. How many questions are asked in Maths section of NDA exam?

A. The number of questions in the Maths section of NDA exam is 120.

Q. What will be the language of the NDA question paper?

A. [NDA question papers](#) are framed in both English and Hindi.

Q. What are the negative marks for wrong answers in NDA exam?

A. 1/3 marks will be deducted for wrong answers in NDA exam.

Q. In how many stages SSB Interview is conducted in NDA?

A. The SSB Interview of NDA exam is conducted in two stages.

Q. How are candidates assessed in NDA SSB Interview?

A. Candidates are judged based on their Psychological Aptitude and Intelligence in the SSB Interview of NDA exam.

Q. What are the total marks for NDA Maths and GAT?

A. The total marks allotted to NDA GAT are 600 whereas Mathematics will be conducted for 300 marks.

Q. What are the qualifying marks for each section of NDA written exam?

A. The qualifying marks for each section of NDA written exam are at least 25 per cent.



Q. How is the score of candidates calculated in NDA exam?

A. The scores of candidates in NDA are calculated based on the number of correct and incorrect answers.

Q. What is the duration of NDA exam?

A. Each section of NDA exam is conducted for 2 1/2 hours.

