

Assam NTSE - 2019

A Detailed Analysis by Resonance

NTSE 2019: The National Talent Search Examination (NTSE) is a national level examination cum scholarship program. The scholarship program is conducted by NCERT and the students who are studying in class X are eligible for **NTSE 2019** examination and selection procedure.

Eligibility: As per the eligibility criteria of NTSE 2018, all the students who are studying in X standard are eligible to apply for this scholarship program. A student from any state of the country can register for this examination and scholarship scheme. Whether a student is from a government or a private school, he/she is eligible.

Pattern/ Syllabus: The National Talent Search Examination is conducted for the students studying in the Class X. The examination consists of two tests:

1. Mental Ability Test (MAT)
2. Scholastic Aptitude Test (SAT)

NTSE Mental Ability Test (MAT) Syllabus

This test is given to judge the power of reasoning, to evaluate and discriminate the ability of thinking, judging and visualizing etc. A variety of questions, for example - analogies, classification, series, pattern perception, hidden figures, coding decoding, block assembly, problem solving, etc. are used for this purpose.

NTSE Language Test (LCT) Syllabus

Language Test is designed to judge the power of reading comprehension, logical sequencing, and interpretative, evaluative, predictive and creative components of language. The test is conducted in English and Regional languages.

NTSE Scholastic Aptitude Test (SAT) Syllabus (Maths, Science & Social Science)

This section is conducted to judge that how much of text-book knowledge you have gained. As India doesn't has any single unified board system, NCERT has not prescribed any particular syllabus for the State Level Examination or for National Level Examination.

You can expect questions that are asked at the National Level (Stage-I) according to the standard of Classes IX and X level.

Question Paper: The medium of test is English and regional languages and it comprised of 200 question. The students have to select and mark one right answer from the given options. Each right answer carries one point each, thus making the total score of the candidate in a test is equal to the number of questions answered correctly.

Merit Clause: All the students who achieve requisite scores at this level automatically qualify for scholarships that are handed over by NCERT.

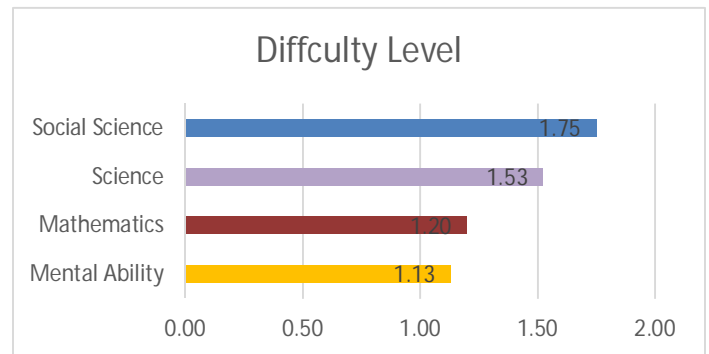
OVERALL MARKS DISTRIBUTION

The **NTSE 2019 Exam Pattern** was an objective type test based on paper-pen format.

Test	No. Of Questions	Maximum Marks	Time Allotted
MAT	100 Questions	100 Marks	120 minutes
SAT - Maths, Science, Social Sciences	100 Questions	100 Marks	120 minutes

Subject	Class IX		Class X		Total	
	No of Questions	Total Marks	No of Questions	Total Marks	No of Questions	Total Marks
Mental Ability			100	100	100	100
Mathematics	8	8	12	12	20	20
Science			40	40	40	40
Social Science	10	10	30	30	40	40
Grand Total	18	18	182	182	200	200

Subject	Difficulty Level
Mental Ability	1.13
Mathematics	1.20
Science	1.53
Social Science	1.75
Grand Total	1.34



OVERALL DIFFICULTY LEVEL ANALYSIS

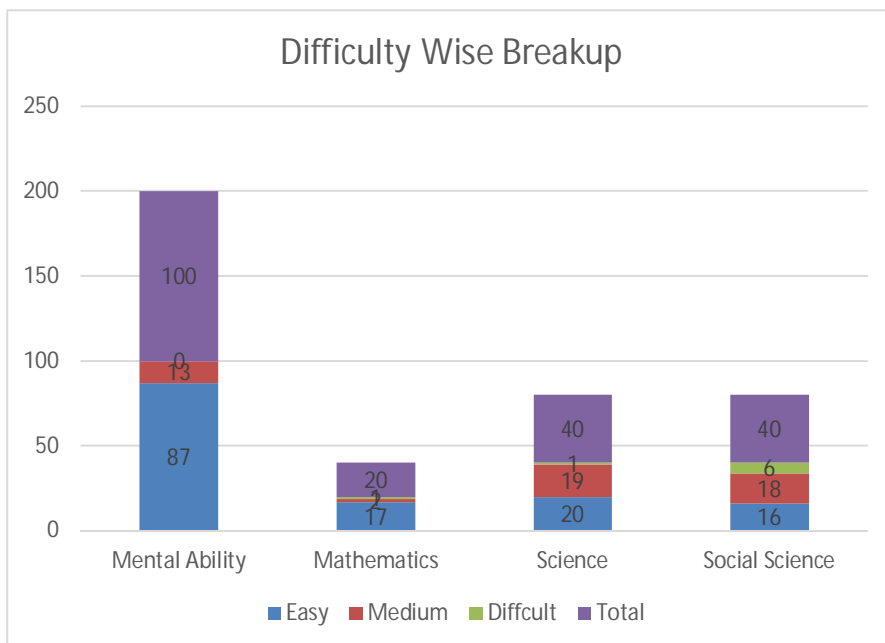
In this analysis, we have rated every question on a scale of 1 to 3. The ratings are done by expert faculty of Resonance. The individual ratings are averaged to calculate overall difficulty level.

- 1: Easy
- 2: Moderate
- 3: Difficult

Difficulty Level Analysis: No of Questions

Subject	Easy		Medium		Difficult		Total	
	No of Questions	Total Marks	No of Questions	Total Marks	No of Questions	Total Marks	No of Questions	Total Marks
Mental Ability	87	87	13	13		0	100	100
Mathematics	17	17	2	2	1	1	20	20
Science	20	20	19	19	1	1	40	40
Social Science	16	16	18	18	6	6	40	40
Grand Total	140	140	52	52	8	8	200	200

Question Wise Difficulty Breakup



SUBJECT WISE ANALYSIS

SCIENCE ANALYSIS

Science			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Biology	16	16	40.00%
Control & Co-ordination	1	1	2.50%
Control & Co-ordination	1	1	2.50%
Excretion	1	1	2.50%
Excretion	1	1	2.50%
Heredity & Evolution	2	2	5.00%
Heredity & Evolution	2	2	5.00%
How Do Organism Reproduce	3	3	7.50%
How Do Organism Reproduce	3	3	7.50%
Management Of Natural Resources	2	2	5.00%
Management Of Natural Resources	2	2	5.00%
Natural Resources	1	1	2.50%
Natural Resources	1	1	2.50%
Nutrition	3	3	7.50%
Nutrition	3	3	7.50%
Respiration	2	2	5.00%
Respiration	2	2	5.00%
Transportation	1	1	2.50%
Transportation	1	1	2.50%
Chemistry	12	12	30.00%
Acid Base & Salts	3	3	7.50%
Common Salt	1	1	2.50%
Indicator	1	1	2.50%
Role of pH in daily Life	1	1	2.50%
Carbon	1	1	2.50%
Covalent Bond	1	1	2.50%
Carbon Compounds	3	3	7.50%
Allotrope of Carbon	1	1	2.50%
IUPAC Name	1	1	2.50%
Properties of Ethanol	1	1	2.50%
Chemical Reaction & Equation	1	1	2.50%
Types of Chemical Reaction	1	1	2.50%
Metal & Non Metal	2	2	5.00%
Metallurgy	1	1	2.50%
Properties of Metal	1	1	2.50%
Periodic Table	2	2	5.00%

Electronic Configuration	1	1	2.50%
Ionisation Energy	1	1	2.50%
Physics	12	12	30.00%
Electricity	3	3	7.50%
Electrical Energy	1	1	2.50%
Equivalent Resistance	1	1	2.50%
Potential Energy	1	1	2.50%
Light	5	5	12.50%
Defects Of Vision	1	1	2.50%
Lens Formula	1	1	2.50%
Plane Mirror	1	1	2.50%
Spectrum of Light	1	1	2.50%
Uses Of Spherical Mirror	1	1	2.50%
Newton Law Of Motion	2	2	5.00%
Force Of Friction	1	1	2.50%
Resultant Force	1	1	2.50%
Source Of Energy	2	2	5.00%
Nuclear Energy	1	1	2.50%
Solar Energy	1	1	2.50%
Grand Total	40	40	100.00%

MATHEMATICS ANALYSIS

Mathematics			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Mathematics	20	20	100.00%
Arithmetic Progression	2	2	10.00%
Arithmetic Progression	2	2	10.00%
Co-ordinate Geometry	2	2	10.00%
Co-ordinate Geometry	2	2	10.00%
Linear Equation In Two Variable	2	2	10.00%
Linear Equation In Two Variable	2	2	10.00%
Lines & Angles	1	1	5.00%
Lines & Angles	1	1	5.00%
Mensuration	1	1	5.00%
Mensuration	1	1	5.00%
Number System	3	3	15.00%
Number System	3	3	15.00%
Polynomials	3	3	15.00%

Polynomials	3	3	15.00%
Probability	2	2	10.00%
Probability	2	2	10.00%
Quadratic Equation	1	1	5.00%
Quadratic Equation	1	1	5.00%
Statistics	1	1	5.00%
Statistics	1	1	5.00%
Trigonometry	2	2	10.00%
Trigonometry	2	2	10.00%
Grand Total	20	20	100.00%

MENTAL ABILITY ANALYSIS

Mental Ability			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Mental Ability	100	100	100.00%
Alphabet Series	2	2	2.00%
Alphabet Series	2	2	2.00%
Alphabet Test	3	3	3.00%
Word Formation	3	3	3.00%
Analogy	10	10	10.00%
Analogy	1	1	1.00%
Number Analogy	5	5	5.00%
Word Analogy	4	4	4.00%
Blood Relation	2	2	2.00%
Blood Relation	2	2	2.00%
Classification	25	25	25.00%
Classification	25	25	25.00%
Coding Decoding	7	7	7.00%
Figure Letter Coding	2	2	2.00%
Letter - Letter Coding	2	2	2.00%
Letter - Number Coding	1	1	1.00%
Substitution Coding	2	2	2.00%
Figure Partition & Counting	2	2	2.00%
Figure Counting	2	2	2.00%
Logical Sequence Of Figure	2	2	2.00%
Logical Sequence Of Figure	2	2	2.00%
Logical Sequence Of Words	5	5	5.00%
Logical Sequence Of Words	5	5	5.00%
Mathematical Operation	2	2	2.00%
Substitution	2	2	2.00%

Missing Term In Figure	8	8	8.00%
Missing Term In Figure	8	8	8.00%
Non Verbal Analogy	4	4	4.00%
Non Verbal Analogy	4	4	4.00%
Non Verbal Classification	4	4	4.00%
Non Verbal Classification	4	4	4.00%
Non Verbal series	4	4	4.00%
Non Verbal series	4	4	4.00%
Number Series	3	3	3.00%
Number Series	3	3	3.00%
Puzzle Test	3	3	3.00%
Family Based Puzzle	3	3	3.00%
Venn Diagram	14	14	14.00%
Simple Venn Diagram	10	10	10.00%
Venn Diagram	4	4	4.00%
Grand Total	100	100	100.00%

SOCIAL SCIENCE ANALYSIS

Social Science			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Social Science	40	40	100.00%
ASSAM: EARLY ANTI BRITISH UPRISING	2	2	5.00%
ASSAM: EARLY ANTI BRITISH UPRISING	2	2	5.00%
ATMOSPHERE	1	1	2.50%
ATMOSPHERE	1	1	2.50%
CURRENT AFFAIRS	1	1	2.50%
CURRENT AFFAIRS	1	1	2.50%
ECONOMIC DEVELOPMENT AND PLANING	3	3	7.50%
ECONOMIC DEVELOPMENT AND PLANING	3	3	7.50%
ECONOMIC GEOGRAPHY	2	2	5.00%
ECONOMIC GEOGRAPHY	2	2	5.00%
FUNDAMENTAL OF ECONOMICS	1	1	2.50%
FUNDAMENTAL OF ECONOMICS	1	1	2.50%
GEOGRAPHY OF INDIA	6	6	15.00%
GEOGRAPHY OF INDIA	6	6	15.00%
GEOGRAPHY OF WORLD	4	4	10.00%
GEOGRAPHY OF WORLD	4	4	10.00%
GROWTH OF INDIAN NATIONALISM AND AFTERMATH	1	1	2.50%
GROWTH OF INDIAN NATIONALISM AND AFTERMATH	1	1	2.50%

INDIA: PARTITION IF BENGAL AND SWEADESHI MOVEMENT	1	1	2.50%
INDIA: PARTITION IF BENGAL AND SWEADESHI MOVEMENT	1	1	2.50%
INDIAN DEMOCRACY	6	6	15.00%
INDIAN DEMOCRACY	6	6	15.00%
INTERNATIONAL ORGNISATION	2	2	5.00%
INTERNATIONAL ORGNISATION	2	2	5.00%
MONEY AND BANKING	2	2	5.00%
MONEY AND BANKING	2	2	5.00%
RISE OF GANDHI ERA AND HIS ROLE IN FREEDOM	3	3	7.50%
RISE OF GANDHI ERA AND HIS ROLE IN FREEDOM	3	3	7.50%
RISE OF NATIONALISM IN EUROPE(NCERT)	1	1	2.50%
RISE OF NATIONALISM IN EUROPE(NCERT)	1	1	2.50%
ROLE OF VARIOUS ORGNISATION	2	2	5.00%
ROLE OF VARIOUS ORGNISATION	2	2	5.00%
TYPES OF GOVERNMENT	2	2	5.00%
TYPES OF GOVERNMENT	2	2	5.00%
Grand Total	40	40	100.00%