

Maharashtra 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.

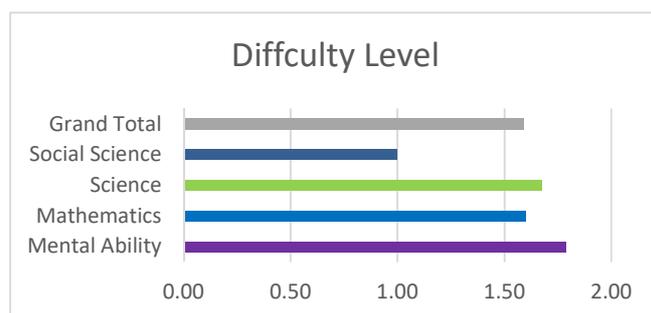
OVERALL MARKS DISTRIBUTION

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	No of Questions	No of Questions
Mental Ability		100	100
Mathematics	4	16	20
Science	10	30	40
Social Science	6	34	40
Grand Total	20	180	200

Subject	Difficulty Level
Mental Ability	1.79
Mathematics	1.60
Science	1.68
Social Science	1.00
Grand Total	1.59



OVERALL DIFFICULTY LEVEL ANALYSIS

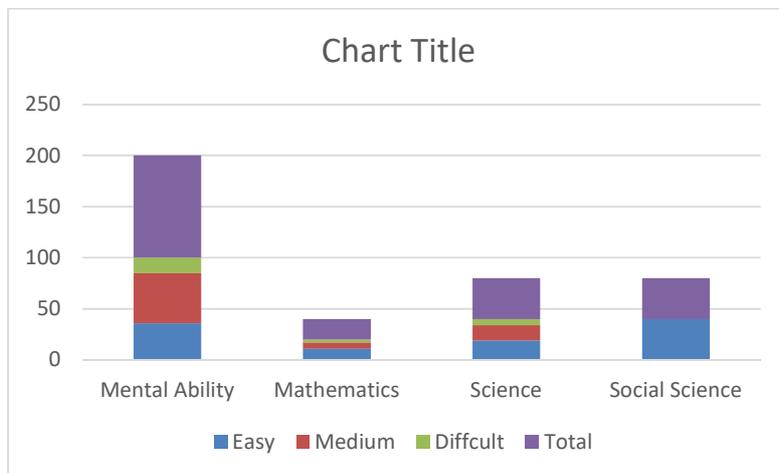
In this analysis, we have rated every question on a scale of 1 to 3. The ratings are done by expert faculty of Resonance. The individual ratings are averaged to calculate overall difficulty level.

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

Difficulty Level Analysis: No of Questions

Subject	Easy		Medium		Difficult		Total	
	No of Questions	Total Marks						
Mental Ability	36	36	49	49	15	15	100	100
Mathematics	11	11	6	6	3	3	20	20
Science	19	19	15	15	6	6	40	40
Social Science	40	40					40	40
Grand Total	106	106	70	70	24	24	200	200

Question Wise Difficulty Breakup



SUBJECT WISE ANALYSIS

SCIENCE ANALYSIS

Science			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Science	40	40	100.00%
Acids, Bases and salts	1	1	2.50%
Acids, Bases and salts	1	1	2.50%
animal classification	2	2	5.00%
Basics	2	2	5.00%
Atomic Structure	1	1	2.50%
Atomic Structure	1	1	2.50%
Basics	3	3	7.50%
Basics	3	3	7.50%
biotech	1	1	2.50%
Basics	1	1	2.50%
Carbon-an Important Element	3	3	7.50%
Carbon-an Important Element	3	3	7.50%
Chemical Reactions and equations	1	1	2.50%
Chemical Reactions and equations	1	1	2.50%
Current Electricity	1	1	2.50%
Current Electricity	1	1	2.50%
disaster management	1	1	2.50%
Basics	1	1	2.50%
Effects of Electric Current	2	2	5.00%
Effects of Electric Current	2	2	5.00%
enviromental management	1	1	2.50%
Basics	1	1	2.50%
Gravitation	3	3	7.50%
Gravitation	3	3	7.50%
Heat	2	2	5.00%
Heat	2	2	5.00%
heredity	3	3	7.50%
Basics	1	1	2.50%
cell division	1	1	2.50%
Cell transcription	1	1	2.50%
Lenses	2	2	5.00%
Lenses	2	2	5.00%
life process	2	2	5.00%
excretion	1	1	2.50%
respiration	1	1	2.50%

Metallurgy	2	2	5.00%
Metallurgy	2	2	5.00%
Periodic classification of element	2	2	5.00%
Periodic classification of element	2	2	5.00%
Reflection of Light	1	1	2.50%
Reflection of Light	1	1	2.50%
Refraction of Light	2	2	5.00%
Refraction of Light	2	2	5.00%
reproduction	2	2	5.00%
animal reproduction	1	1	2.50%
plant reproduction	1	1	2.50%
social health	2	2	5.00%
addiction	1	1	2.50%
Basics	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%
A.P.	2	2	10.00%
nth term of AP	1	1	5.00%
Properties of AP	1	1	5.00%
Area Related To circles	2	2	10.00%
Basics	2	2	10.00%
Circles	1	1	5.00%
Basics	1	1	5.00%
Coordinate Geometry	2	2	10.00%
Basics	1	1	5.00%
Slope concept	1	1	5.00%
Linear Equation in Two variables	3	3	15.00%
Basics	1	1	5.00%
Determinant	1	1	5.00%
Number system	1	1	5.00%
Lines and Angles	1	1	5.00%
Basics	1	1	5.00%
Probability	2	2	10.00%
Basics	1	1	5.00%
Probability	1	1	5.00%
Quadratic Equation	2	2	10.00%

Relation between roots	2	2	10.00%
Quadrilaterals	1	1	5.00%
Basics	1	1	5.00%
Statistics	1	1	5.00%
Median	1	1	5.00%
Triangles	1	1	5.00%
Basics	1	1	5.00%
Trigonometry	2	2	10.00%
30-60-90 theorem	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	1	1	1.00%
Alphabet series	1	1	1.00%
Alphabet test	5	5	5.00%
Alphabet test	5	5	5.00%
Alphabet test/Series	4	4	4.00%
Alphabet test/Series	4	4	4.00%
Analogy	1	1	1.00%
Analogy	1	1	1.00%
Arithmetic Reasoning	2	2	2.00%
Arithmetic Reasoning	2	2	2.00%
Classification	5	5	5.00%
Classification	5	5	5.00%
Coding Decoding	11	11	11.00%
Coding Decoding	11	11	11.00%
Cube test	9	9	9.00%
Cube test	9	9	9.00%
Direction test	2	2	2.00%
Direction test	2	2	2.00%
Figure Completion	2	2	2.00%
Figure Completion	2	2	2.00%
Figure Embedded	2	2	2.00%
Figure Embedded	2	2	2.00%
Figure Partition	2	2	2.00%
Figure Partition	2	2	2.00%
Letter repeating series	2	2	2.00%

Letter repeating series	2	2	2.00%
Mathematical Operations	2	2	2.00%
Mathematical Operations	2	2	2.00%
Mirror images	2	2	2.00%
Mirror images	2	2	2.00%
Missing term in figures	5	5	5.00%
Missing term in figures	5	5	5.00%
Non-verbal Analogy	7	7	7.00%
Non-verbal Analogy	7	7	7.00%
Non-verbal Classification	3	3	3.00%
Non-verbal Classification	3	3	3.00%
Number series	9	9	9.00%
Number series	9	9	9.00%
Paper folding	2	2	2.00%
Paper folding	2	2	2.00%
Paper folding and cutting	4	4	4.00%
Paper folding and cutting	4	4	4.00%
Puzzle test	3	3	3.00%
Puzzle test	3	3	3.00%
Pyramid Test	6	6	6.00%
Pyramid Test	6	6	6.00%
Ranking and ordering test	3	3	3.00%
Ranking and ordering test	3	3	3.00%
Sitting Arrangement	3	3	3.00%
Sitting Arrangement	3	3	3.00%
Venn Diagram	3	3	3.00%
Venn Diagram	3	3	3.00%
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%
Applied History	2	2	5.00%
Applied History	2	2	5.00%
Climate	2	2	5.00%
Climate	2	2	5.00%
Economy and occupation	2	2	5.00%
Economy and occupation	2	2	5.00%
Electrol process	2	2	5.00%
Electrol process	2	2	5.00%

Empowerment of women	1	1	2.50%
Empowerment of women	1	1	2.50%
Entertainment & History	1	1	2.50%
Entertainment & History	1	1	2.50%
Events after 1960 and trade	1	1	2.50%
Events after 1960 and trade	1	1	2.50%
Historiography	2	2	5.00%
Historiography	2	2	5.00%
History of Indian art	2	2	5.00%
History of Indian art	2	2	5.00%
Human settlement	1	1	2.50%
Human settlement	1	1	2.50%
India events after 1960	1	1	2.50%
India events after 1960	1	1	2.50%
Indian Tradition	1	1	2.50%
Indian Tradition	1	1	2.50%
India's internal challenges	1	1	2.50%
India's internal challenges	1	1	2.50%
Industry and trade	1	1	2.50%
Industry and trade	1	1	2.50%
Location and extent	3	3	7.50%
Location and extent	3	3	7.50%
Mass, Media	2	2	5.00%
Mass, Media	2	2	5.00%
Natural vegetation and wild life	1	1	2.50%
Natural vegetation and wild life	1	1	2.50%
Physiography and drainage	3	3	7.50%
Physiography and drainage	3	3	7.50%
Population and urbanisation	1	1	2.50%
Population and urbanisation	1	1	2.50%
Precipitation	1	1	2.50%
Precipitation	1	1	2.50%
Social and political movements	1	1	2.50%
Social and political movements	1	1	2.50%
Sports and History	3	3	7.50%
Sports and History	3	3	7.50%
Tourism and History	1	1	2.50%
Tourism and History	1	1	2.50%
tourism, Transport and communication	2	2	5.00%
tourism, Transport and communication	2	2	5.00%
Working of constitution	2	2	5.00%
Working of constitution	2	2	5.00%
Grand Total	40	40	100.00%

EXPECTED CUTOFF

Resonance Experts feel that as the Pattern Has Been Changed From previous year, the cutoff is expected Between 150 to 155