

Uttar Pradesh 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 2019, 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 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 2018 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

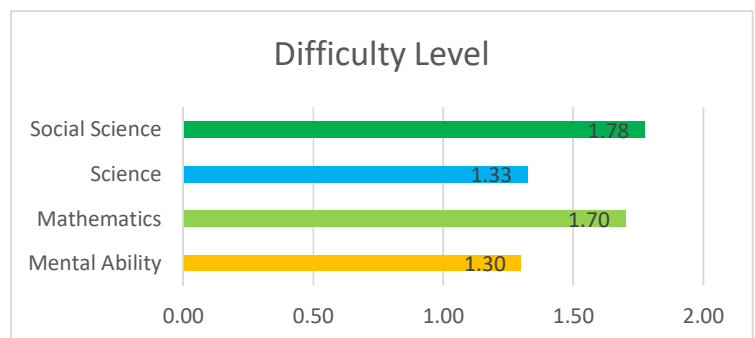
Subject	Class IX		Class X		Total	
	No of Questions	Total Marks	No of Questions	Total Marks	No of Questions	Total Marks
Mental Ability			100	100	100	100
Mathematics			20	20	20	20
Science	6	6	34	34	40	40
Social Science	13	13	27	27	40	40
Grand Total	19	19	181	181	200	200

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

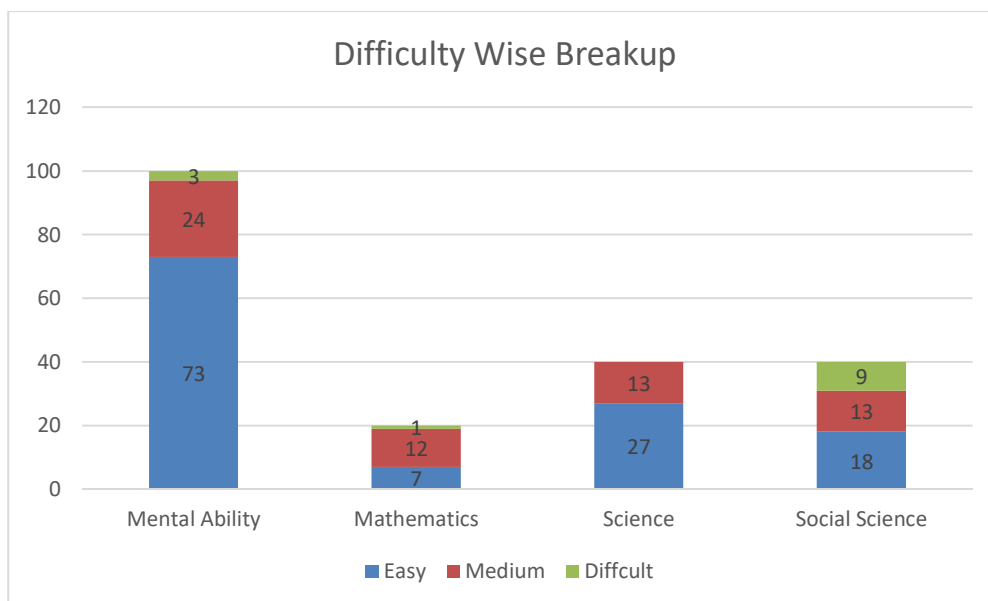
Subject	Difficulty Level
Mental Ability	1.30
Mathematics	1.70
Science	1.33
Social Science	1.78
Grand Total	1.44



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	73	73	24	24	3	3	100	100
Mathematics	7	7	12	12	1	1	20	20
Science	27	27	13	13			40	40
Social Science	18	18	13	13	9	9	40	40
Grand Total	125	125	62	62	13	13	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%
Acid Base & Salts	4	4	10.00%
Nutralisation	1	1	2.50%
Occurance of acid	1	1	2.50%
pH scale	1	1	2.50%
Salt	1	1	2.50%
Atoms & Molecules	1	1	2.50%
Making a chemical formula	1	1	2.50%
Biodiversity in animal	1	1	2.50%
Biodiversity in animal	1	1	2.50%
Biodiversity in plants	1	1	2.50%
Biodiversity in plants	1	1	2.50%
Carbon & its compounds	3	3	7.50%
IUPAC	2	2	5.00%
Method of preparation	1	1	2.50%
Economic Importane of fungi & Bacteria	1	1	2.50%
Economic Importane of fungi & Bacteria	1	1	2.50%
Electricity	4	4	10.00%
Combination of Resistors	1	1	2.50%
Electric current	1	1	2.50%
Electrical energy	1	1	2.50%
Power Rating	1	1	2.50%
Endocrine Gland	1	1	2.50%
Endocrine Gland	1	1	2.50%
Endocrine System	1	1	2.50%
Endocrine System	1	1	2.50%
Genetics	2	2	5.00%
Genetics	2	2	5.00%
Heat	1	1	2.50%
Anamolous Expansion	1	1	2.50%
Light	5	5	12.50%
Human Eye	1	1	2.50%
Optical Power	1	1	2.50%
Reflection	1	1	2.50%

Refraction	2	2	5.00%
Magnetism	1	1	2.50%
EMF	1	1	2.50%
Matter in Our surroundings	1	1	2.50%
Sublimation	1	1	2.50%
Metal & non - metal	3	3	7.50%
Chemical properties of metals	1	1	2.50%
Metallurgy	1	1	2.50%
types of chemical reactions	1	1	2.50%
Nervous System	1	1	2.50%
Nervous System	1	1	2.50%
Periodic table	1	1	2.50%
Periodic properties	1	1	2.50%
Photosynthesis	2	2	5.00%
Photosynthesis	2	2	5.00%
Plant Hormone	1	1	2.50%
Plant Hormone	1	1	2.50%
Reproduction	1	1	2.50%
Reproduction	1	1	2.50%
Sound	1	1	2.50%
Echo	1	1	2.50%
Sources of energy	1	1	2.50%
Solar Energy	1	1	2.50%
Transportation in plants	2	2	5.00%
Transportation in plants	2	2	5.00%
Grand Total	40	40	100.00%

MATHEMATICS ANALYSIS

Mathematics			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Mathematics	20	20	100.00%
Co-ordinate Geometry	2	2	10.00%
Centroid	1	1	5.00%
Distance formula	1	1	5.00%
Identity	1	1	5.00%
Identity	1	1	5.00%
Linear Equation in two variables	1	1	5.00%
Simultaneous equation	1	1	5.00%
Mensuration	4	4	20.00%
Area & Perimeter	1	1	5.00%

Exterior angles	1	1	5.00%
Property of plane	1	1	5.00%
Volume	1	1	5.00%
Number System	2	2	10.00%
Property of number	2	2	10.00%
Plane Geometry	1	1	5.00%
Area of parallelogram	1	1	5.00%
Polynomial	1	1	5.00%
Relation between roots & zeros	1	1	5.00%
Quadratic Equation	1	1	5.00%
Equation reducible to quadratic form	1	1	5.00%
Ratio	1	1	5.00%
Rationalisation	1	1	5.00%
Similarity	1	1	5.00%
Ratio of area	1	1	5.00%
Statistics	2	2	10.00%
Mean	2	2	10.00%
surd & Indices	1	1	5.00%
Rationalisation	1	1	5.00%
Triangle	1	1	5.00%
Multiple angle formula	1	1	5.00%
Trigonometry	1	1	5.00%
Trigonometric identities	1	1	5.00%
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%
Analogy	8	8	8.00%
Analogy	8	8	8.00%
Blood relations	1	1	1.00%
Blood relations	1	1	1.00%
Calender test	2	2	2.00%
Calender test	2	2	2.00%
Classification	10	10	10.00%
Classification	10	10	10.00%
Clock test	1	1	1.00%
Clock test	1	1	1.00%
Coding-decoding	10	10	10.00%

Column based coding	5	5	5.00%
letter - letter coding	4	4	4.00%
letter-number coding	1	1	1.00%
Direction sense test	4	4	4.00%
Direction sense test	4	4	4.00%
Letter repeating series	10	10	10.00%
Letter repeating series	10	10	10.00%
Logical sequencing of words	5	5	5.00%
Logical sequencing of words	5	5	5.00%
Mathematical Operations	10	10	10.00%
Interchange of symbols	10	10	10.00%
Miscellaneous	5	5	5.00%
Ascending and descending order	1	1	1.00%
Average	1	1	1.00%
Distances	1	1	1.00%
numbers	1	1	1.00%
Puzzle	1	1	1.00%
Missing term in figure	5	5	5.00%
Missing term in figure	5	5	5.00%
Non-verbal analogy	2	2	2.00%
Non-verbal analogy	2	2	2.00%
Puzzle test	5	5	5.00%
Puzzle test	5	5	5.00%
Ranking and ordering test	7	7	7.00%
ordering test	1	1	1.00%
ranking test	6	6	6.00%
Venn Diagram	15	15	15.00%
Venn Diagram	15	15	15.00%
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%
Agriculture	4	4	10.00%
Fibre Crops	1	1	2.50%
Revolution & Fathers	2	2	5.00%
State & crops	1	1	2.50%
Ancient India	2	2	5.00%
City & administration	1	1	2.50%

Religious text	1	1	2.50%
Buddhism & Jainism	1	1	2.50%
Buddhist Literature	1	1	2.50%
Delhi sultanat	2	2	5.00%
Kings & rules	2	2	5.00%
Development in India	1	1	2.50%
Union Schemes	1	1	2.50%
General Knowledge	1	1	2.50%
General Knowledge	1	1	2.50%
GK	1	1	2.50%
Days & Dates	1	1	2.50%
GK India	1	1	2.50%
Days & Dates	1	1	2.50%
India: forest & wildlife	3	3	7.50%
Acts	1	1	2.50%
NP & WS	2	2	5.00%
India: Location & Physical Features	3	3	7.50%
Rivers	1	1	2.50%
State Features	1	1	2.50%
Water bodies	1	1	2.50%
India: states	1	1	2.50%
Population growth	1	1	2.50%
Indian Economics	1	1	2.50%
PM & his Office	1	1	2.50%
Indian Economy	1	1	2.50%
Bodies & commissions	1	1	2.50%
Indian Judiciary	1	1	2.50%
High Courts	1	1	2.50%
Indian National Movements	1	1	2.50%
Books & authors	1	1	2.50%
Indian polity	5	5	12.50%
Constitutional Amendments	1	1	2.50%
State Legislative Council	1	1	2.50%
State Machinery	1	1	2.50%
Union Executive	1	1	2.50%
Union Legislature	1	1	2.50%
Indian Transport	1	1	2.50%
Highways	1	1	2.50%
Nationalism in India	2	2	5.00%
Leader & slogans	1	1	2.50%

Patriotic text	1	1	2.50%
Rise of Indian National Congress	1	1	2.50%
Congress Session	1	1	2.50%
Solar system	2	2	5.00%
Planets	1	1	2.50%
Planets & Satalites	1	1	2.50%
States of india	2	2	5.00%
State Acronyms	1	1	2.50%
State symbol	1	1	2.50%
Vedic age	2	2	5.00%
Vedic Text	2	2	5.00%
Volcanoes	1	1	2.50%
Volcanic activity areas	1	1	2.50%
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 161 to 166