
NTSE - 2017

A Detailed Analysis by Resonance

NTSE 2017: The National Talent Search Examination (NTSE) is a national level examination cum scholarship programme. The scholarship programme is conducted by NCERT and students studying in class X are eligible for **NTSE 2017** examination and selection procedure. NTSE stage-I was conducted in month of November/ December across the nation. Stage II was conducted on May 14, 2017.

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

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

1. Mental Ability Test (MAT)
2. Language Comprehension Test (LCT)
3. Scholastic Aptitude Test (SAT)

NTSE Mental Ability Test (MAT) Syllabus

This test is to judge the power of reasoning, ability to think, ability to judge, evaluate or discriminate, ability to visualize in the space, spatial orientation, 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 (LCT) Syllabus (Language Test)

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

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

This section is conducted to judge how much of text-book knowledge you have gained. As India doesn't have 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-II) to be 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 four given options. Each right answer carry one point each, thus making the total score of the candidate in a test equal to the number of questions answered correctly. However, at the second stage 1/3 mark is deducted for every wrong answer.

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 2017 Exam Pattern** is an objective type test based on paper-pencil format.

Test	No. Of Questions	Maximum Marks	Time Allotted
MAT	50 Questions	50 Marks	45 minutes
SAT - Language Test	50 Questions	50 Marks	45 minutes
SAT - Maths, Science, Social Sciences	100 Questions	100 Marks	90 minutes

SUBJECT WISE MARKS DISTRIBUTION

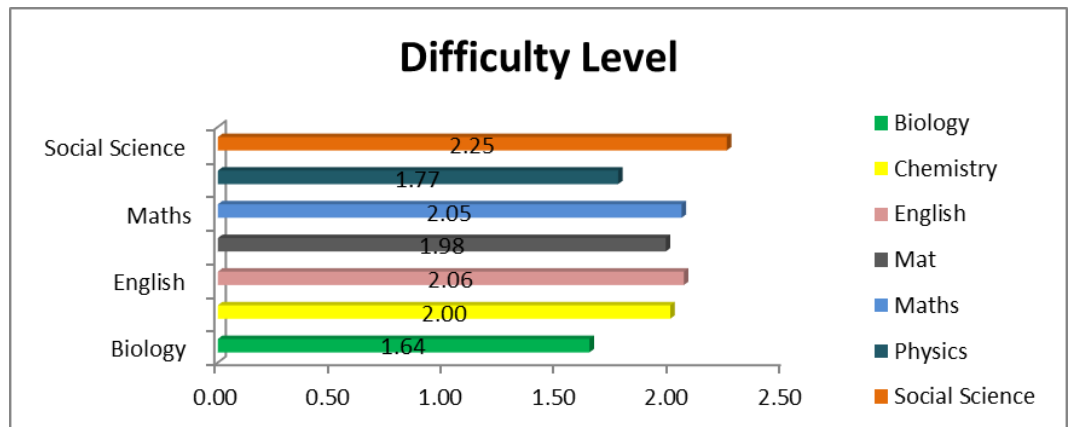
	Class -VII	Class -IX	Class -X	Total
Subject	No of Questions	No of Questions	No of Questions	No of Questions
Biology		8	6	14
Chemistry		5	8	13
English			50	50
Mat			50	50
Maths		1	19	20
Physics		8	5	13
Social Science	2	21	17	40
Grand Total	2	43	155	200

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 then averaged to calculate overall difficulty level.

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

Subject	Difficulty Level
Biology	1.64
Chemistry	2.00
English	2.06
Mat	1.98
Maths	2.05
Physics	1.77
Social Science	2.25
Grand Total	2.03



Difficulty Level Analysis: No of Questions

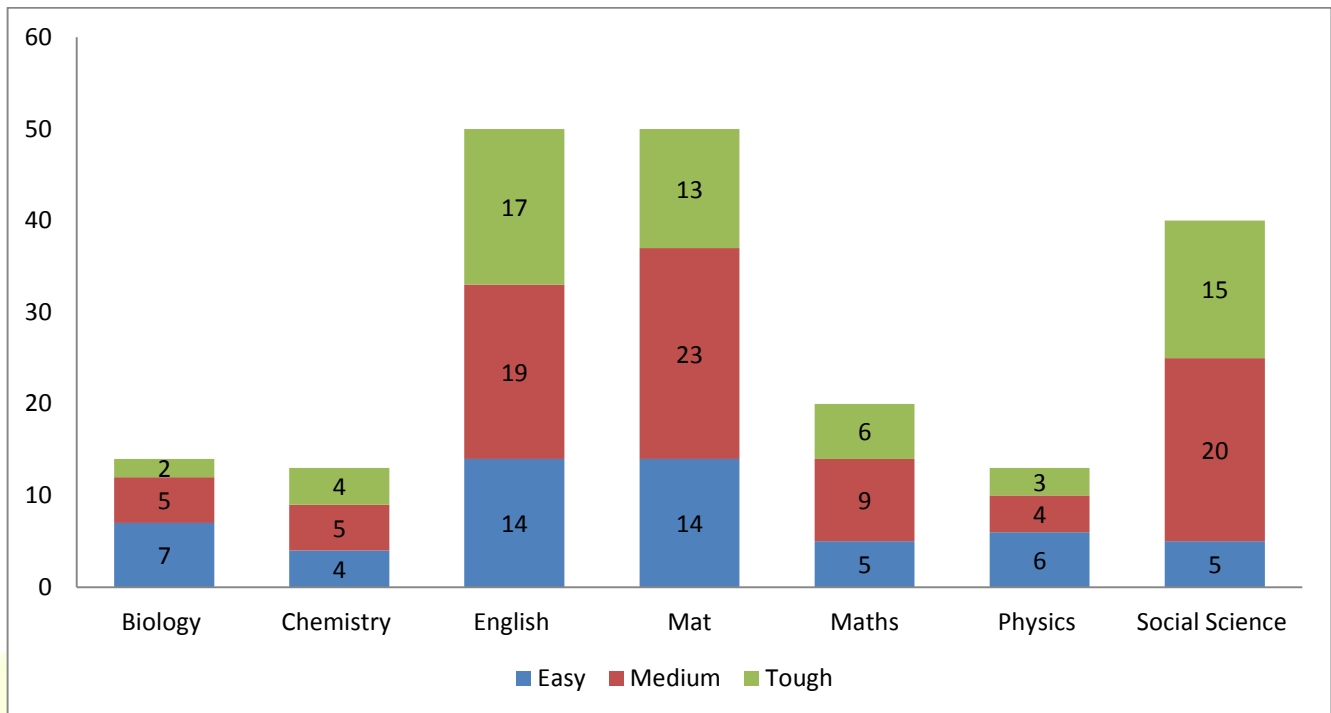
Subject	Easy	Medium	Tough	Grand Total
Biology	7	5	2	14
Chemistry	4	5	4	13
English	14	19	17	50
Mat	14	23	13	50
Maths	5	9	6	20
Physics	6	4	3	13
Social Science	5	20	15	40
Grand Total	55	85	60	200

Resonance Experts made the following observations:

- **Mental Ability:** Paper was lengthier from last year and that is why it is considered more difficult than last year.
- **Chemistry and Biology:** Both these subjects had lengthier and confusing questions which made both of them relatively difficult from last year.
- **Physics:** The paper was relatively easy than last year as questions were fairly straight forward.
- **Mathematics:** The questions in mathematics were difficult than last year as focus was on complex topics this year. Two questions of common roots were particularly ambiguous.
- **English:** The paper was relatively difficult than last year.
- **Social Science:** Paper was extremely lengthy and 8 questions came out of syllabus which made it a difficult paper to solve.

Overall, it was felt that the paper was on the tougher side from last year and thus cutoff is expected to decrease.

Question Wise Difficulty Breakup



SUBJECT WISE AND TOPIC WISE ANALYSIS

ENGLISH ANALYSIS

English			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
English	50	50	100.00%
CLOZE TEST	8	8	16.00%
Comprehension	15	15	30.00%
FILLER	14	14	28.00%
JUMBLED SENTENCE	2	2	4.00%
SENTENCE COMPLETION	2	2	4.00%
VOCOBULARY:ANTONYMS	3	3	6.00%
VOCOBULARY:IDIOMS/Phrases	6	6	12.00%
Grand Total	50	50	100.00%

MENTAL ABILITY ANALYSIS

Mental Ability			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Mental Ability	50	50	100.00%
Alpha Numeric series	2	2	4.00%
Alphabet series	1	1	2.00%
Arithmetical Reasoning	9	9	18.00%
Coding-Decoding	4	4	8.00%
Cube Test	1	1	2.00%
Data sufficiency	1	1	2.00%
Direction Sense	3	3	6.00%
Figure Partition & counting	2	2	4.00%
Letter Repeating Series	1	1	2.00%
Mathematical operations	4	4	8.00%
Miscellaneous	4	4	8.00%
Missing term in figure	7	7	14.00%
Non-Verbal Series	2	2	4.00%
Number Series	2	2	4.00%
Puzzle Test	3	3	6.00%
Sitting arrangement	1	1	2.00%
Syllogism	2	2	4.00%
Water Mirror Image	1	1	2.00%
Grand Total	50	50	100.00%

BIOLOGY ANALYSIS

Biology			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Biology	14	14	100.00%
Organic evolution and evidence	2	2	14.29%
Phanerogamous.	1	1	7.14%
Plant diversity - Cryptogamae	2	2	14.29%
Anatomy and Physiology of Brain	1	1	7.14%
Cell division.	1	1	7.14%
Digestive gland & Mechanisms of Digestion	1	1	7.14%
HEREDITY - Mendel's laws	1	1	7.14%

Muscular tissue	1	1	7.14%
Non - chordates.	1	1	7.14%
Plant Chemical Control and Co-ordination	1	1	7.14%
Protection	1	1	7.14%
Protozoan Diseases	1	1	7.14%
Grand Total	14	14	100.00%

CHEMISTRY ANALYSIS

Chemistry			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Chemistry	13	13	100.00%
Electronegativity	1	1	7.69%
Indicators	1	1	7.69%
Mole concept	1	1	7.69%
Allotropes of carbon	1	1	7.69%
Chemical Properties of Alcohol	1	1	7.69%
Interconversion of states of matter	1	1	7.69%
Ions, Symbols	1	1	7.69%
Isotopes	1	1	7.69%
IUPAC Nomenclature	1	1	7.69%
Metallurgy of Copper	1	1	7.69%
Mixtures	1	1	7.69%
Reactivity series	1	1	7.69%
Salts - Definition, Classification	1	1	7.69%
Grand Total	13	13	100.00%

PHYSICS ANALYSIS

Physics			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Physics	13	13	100.00%
Velocity-Time Graph, Acceleration-time graph.	1	1	7.69%
Acceleration due to gravity	1	1	7.69%
Buoyancy and force of buoyancy,	1	1	7.69%

Conservation of Momentum	1	1	7.69%
Defects of Eyes	1	1	7.69%
Electric Field	1	1	7.69%
Electrical resistance,	1	1	7.69%
Force on current carrying wire	1	1	7.69%
Motion under Gravity	1	1	7.69%
Newton's second law of motion	2	2	15.38%
Speed of Sound	1	1	7.69%
Total internal reflection	1	1	7.69%
Grand Total	13	13	100.00%

MATHEMATICS ANALYSIS

Mathematics			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Mathematics	20	20	100.00%
Area of Quadrilaterals	1	1	5.00%
Area related to circles	2	2	10.00%
Condition of solvability	1	1	5.00%
Distance formula	1	1	5.00%
Euclid division Lemma	2	2	10.00%
Factor theorem and remainder theorem	2	2	10.00%
Heights and distances	1	1	5.00%
Individual solids	1	1	5.00%
Median	1	1	5.00%
nature of roots	3	3	15.00%
Secant and tangent	1	1	5.00%
Sum of nth term	1	1	5.00%
Trigonometric identities	1	1	5.00%
Trigonometric Ratios	1	1	5.00%
Word problem	1	1	5.00%
Grand Total	20	20	100.00%

SOCIAL SCIENCE ANALYSIS

Social Science			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Social Science	40	40	100.00%
Agriculture	2	2	5.00%
Clothing: A Social history	1	1	2.50%
Constitutional Design	1	1	2.50%
Consumer Rights	1	1	2.50%
Democratic Rights	1	1	2.50%
Development	1	1	2.50%
Drainage	1	1	2.50%
Federalism	3	3	7.50%
Forest Society and colonialism	2	2	5.00%
General Geography	2	2	5.00%
History of cricket	1	1	2.50%
India - Size and Location	1	1	2.50%
Making of Global world	2	2	5.00%
Manufacturing of Industries	1	1	2.50%
Mineral and Energy Resources	1	1	2.50%
Miscellaneous	1	1	2.50%
Money & Credit	1	1	2.50%
Nationalism in Europe	1	1	2.50%
Nationalism in indo china	1	1	2.50%
Natural Vegetation & Wildlife	1	1	2.50%
Nazism and the Rise of Hitler	1	1	2.50%
People as a Resource	2	2	5.00%
Physical Features of India (Physical Divisions of India) Miscellaneous	2	2	5.00%
Population	1	1	2.50%
Poverty as a challenge	1	1	2.50%
Print and Culture	1	1	2.50%
Russian Revolution	1	1	2.50%
Story of Village Palampur	1	1	2.50%
Work life & Leisure	1	1	2.50%
Working Of the institution	3	3	7.50%
Grand Total	40	40	100.00%

EXPECTED CUTOFF

As the paper was relatively difficult than last year, cut off is expected to be lower than the last year. The cut off for General category student is expected to be 80 marks while for SC/ST it is expected to be 52.5 marks.

