

Jharkhand NTSE - 2016

A Detailed Analysis by Resonance

NTSE 2016: The National Talent Search Examination (NTSE) is a national level examination cum scholarship program. The scholarship programme is conducted by NCERT and students studying in class X are eligible for **NTSE 2016** examination and selection procedure. NTSE stage-I was conducted on November 6, 2016 and November 13, 2016 in different regions of India.

Eligibility: As per the eligibility criteria of NTSE 2016 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. 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 students studying at the Class X level. 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 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 (SAT) 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 questions. The students have to select and mark one right answer from the four given options. Each right answer carries 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 2016 Exam Pattern** was an objective type test based on paper-pen 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

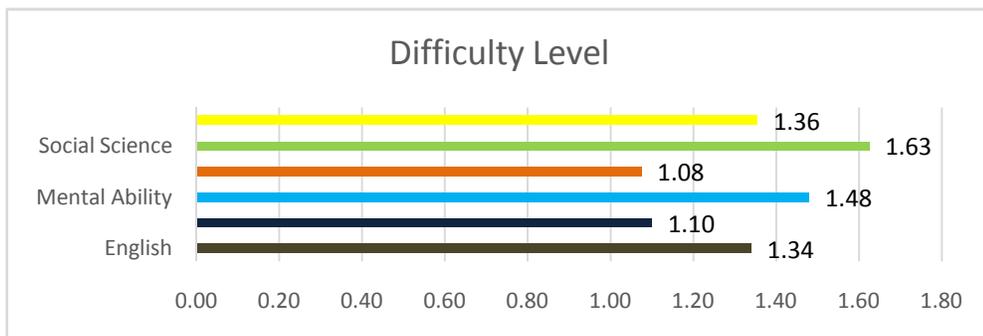
Subject	Class 9		Class 10		Total	
	No of Questions	Total Marks	No of Questions	Total Marks	No of Questions	Total Marks
Biology			14	14	14	14
Chemistry	1	1	12	12	13	13
English			50	50	50	50
Mathematics	1	1	19	19	20	20
Mental Ability			50	50	50	50
Physics			13	13	13	13
Social Science	13	13	27	27	40	40
Grand Total	15	15	185	185	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 then averaged to calculate overall difficulty level.

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

Subject	Difficulty Level
English	1.34
Mathematics	1.10
Mental Ability	1.48
Science	1.08
Social Science	1.63
Total	1.36



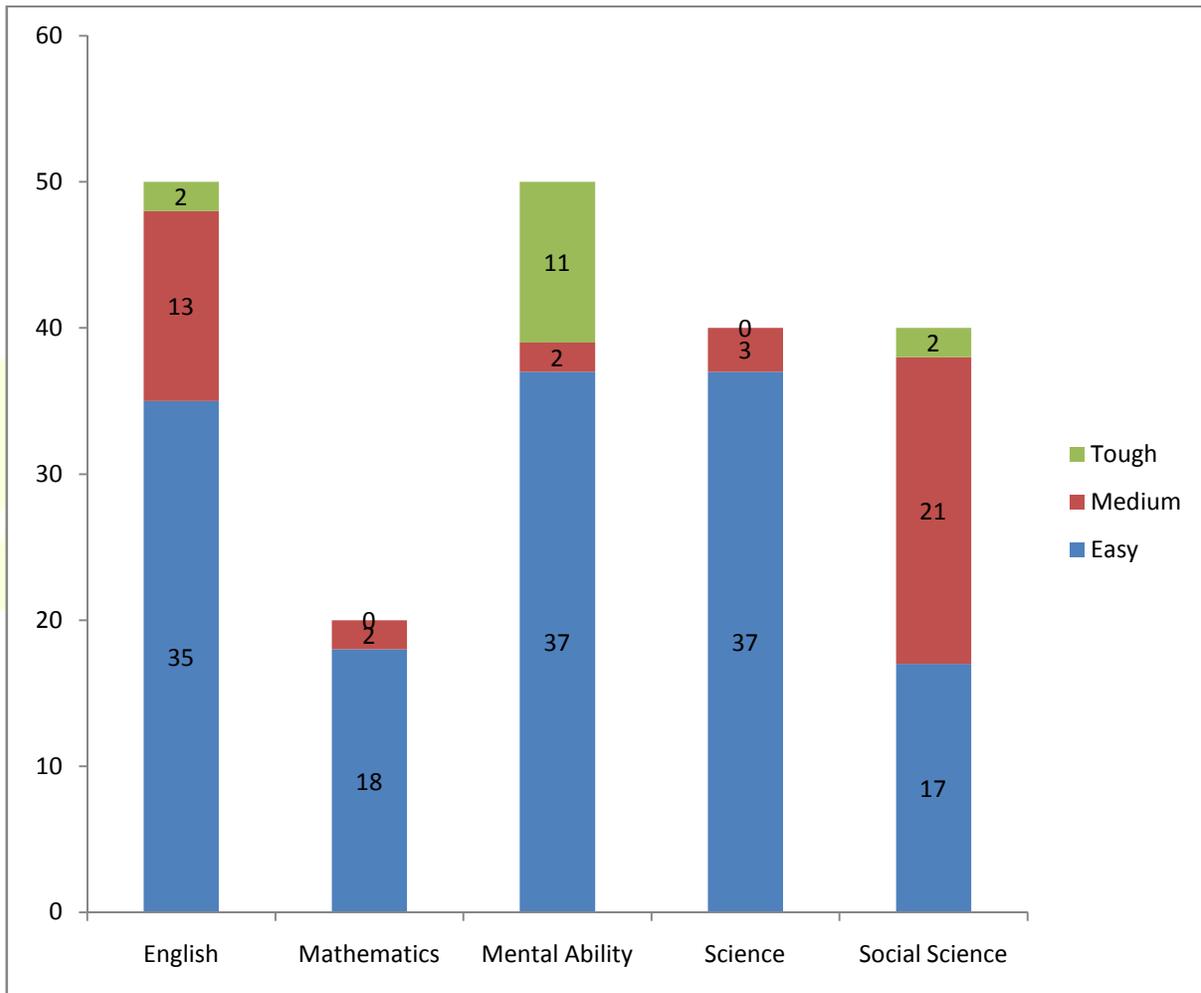
Difficulty Level Analysis: No of Questions

Subject	Easy Level		Medium Level		Difficult Level	
	No of Questions	Total Marks	No of Questions	Total Marks	No of Questions	Total Marks
Biology	13	13	1	1		
Chemistry	12	12	1	1		
English	35	35	13	13	2	2
Mathematics	18	18	2	2		
Mental Ability	37	37	2	2	11	11
Physics	12	12	1	1		
Social Science	17	17	21	21	2	2
Grand Total	144	144	41	41	15	15

Resonance Experts feel that all subjects were of similar difficulty level, while Social Science, Mathematics, Physics, Biology and English were on tougher side, Chemistry, Mental Ability were of moderate difficulty. While around 144 Marks can be considered easy overall, 41 marks are moderately difficulty and 15 marks are considered difficult by Resonance Team.

Overall, it is felt by Resonance Faculty Team that paper was on easier side compared to last year and the cut-off is expected to be higher than that of last year.

Question Wise Difficulty Breakup



SUBJECT WISE ANALYSIS

SCIENCE ANALYSIS

Science			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Science	40	40	100.00%
Biology	14	14	35.00%
Genetics and Evolution	5	5	12.50%
Nutrition	3	3	7.50%
Our Environment	2	2	5.00%
Reproduction	2	2	5.00%
Respiration	1	1	2.50%
Transportation	1	1	2.50%
Chemistry	13	13	32.50%
Acid Bases and Salts	3	3	7.50%
Carbon and Its Compounds	2	2	5.00%
Chemical Reactions and Chemical Equations	2	2	5.00%
Metals and Non-metals	4	4	10.00%
Mole Concept	1	1	2.50%
Periodic Table	1	1	2.50%
Physics	13	13	32.50%
Electricity	5	5	12.50%
Gravitation	1	1	2.50%
Light	5	5	12.50%
Magnetism	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%
Area Related to Cirles	1	1	5.00%
Area Related to Cirles	1	1	5.00%
Arithmetic Progression	2	2	10.00%
basics of polynomial	1	1	5.00%

Progression	1	1	5.00%
Circle	1	1	5.00%
Finding Angles	1	1	5.00%
Coordinate Geometry	2	2	10.00%
area of triangle	1	1	5.00%
section formula	1	1	5.00%
Linear Equation in two variables	1	1	5.00%
Word Problem	1	1	5.00%
Menuration	1	1	5.00%
Volume	1	1	5.00%
Polynomial	2	2	10.00%
basics of polynomial	1	1	5.00%
Relationship between zeros and coefficient of cubic polynomials	1	1	5.00%
Probability	1	1	5.00%
Basics of Probability	1	1	5.00%
Staistics	1	1	5.00%
Measure of central tendencies	1	1	5.00%
Triangles	3	3	15.00%
Area	1	1	5.00%
Basic Proportionality Theorem	2	2	10.00%
Trigonometry	5	5	25.00%
Trigonometry	5	5	25.00%
Grand Total	20	20	100.00%

MENTAL ABILITY ANALYSIS

Mental Ability			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Mental Ability	50	50	100.00%
Non-Verbal Reasoning	21	21	42.00%
Dice-Test	5	5	10.00%
Mirror Image	6	6	12.00%
Non-Verbal Series	5	5	10.00%
Venn-Diagram	5	5	10.00%
Verbal Reasoning	29	29	58.00%

Alphabet Series	5	5	10.00%
Alphabet Test	5	5	10.00%
Arithmetical Reasoning	2	2	4.00%
Mathematical Operations	6	6	12.00%
Missing Term in Figure	3	3	6.00%
Number Series	6	6	12.00%
Ranking and Ordering Test	2	2	4.00%
Grand Total	50	50	100.00%

ENGLISH ANALYSIS

English			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
English	50	50	100.00%
Alternatives	5	5	10.00%
Cloze Test	5	5	10.00%
Antonym	3	3	6.00%
Antonym	3	3	6.00%
Fillers	15	15	30.00%
Fillers	15	15	30.00%
Idiom and Phrases	12	12	24.00%
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Passage	10	10	20.00%
Reading Comprehension	10	10	20.00%
Rearranging	2	2	4.00%
Ordering the jumbled sentences	2	2	4.00%
Synonym	3	3	6.00%
Synonym	3	3	6.00%
Grand Total	50	50	100.00%

SOCIAL SCIENCE ANALYSIS

Social Science			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Social Science	40	40	100.00%
Civics	5	5	12.50%
Democratic Rights	1	1	2.50%
Local Government	1	1	2.50%
Meaning of constitution	1	1	2.50%
The Union and Executive Legislature	2	2	5.00%
Economics	5	5	12.50%
Consumer Rights	1	1	2.50%
Development	1	1	2.50%
Money and Credit	2	2	5.00%
Sectors of Indian Economy	1	1	2.50%
Geography	15	15	37.50%
Agriculture	1	1	2.50%
Climate	2	2	5.00%
Drainage	3	3	7.50%
India Size and Location	1	1	2.50%
Lifeline of national Economy	1	1	2.50%
Minerals and Energy Resources	4	4	10.00%
Natural Vegetation and Wild Life	1	1	2.50%
Physical Division of India	1	1	2.50%
Resources and Development	1	1	2.50%
History	15	15	37.50%
From Trade to Territory	1	1	2.50%
Nationalism in India	6	6	15.00%
Noble Society and History	1	1	2.50%
The Age of Industrialisation	1	1	2.50%
The Making of Global world	1	1	2.50%
The National Movement	5	5	12.50%
Grand Total	40	40	100.00%

EXPECTED CUTOFF

Resonance Experts feel that while the overall paper was difficult from previous year, due to relative ease in solving mental ability questions, the cutoff is expected to increase from last year. As per Resonance Experts, cutoff should increase to **130 from 110** last year.

