Chhattisgarh 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, 2016and November 13, 2016 in different regions of India.

Eligibility: As per the eligibility criteria of NTSE 2016all 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 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-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 200question. 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 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 6		Class 8		Class 9		Class 10	
	No of Questions	Total Marks	No of Questions	Total Marks	No of Questions	Total Marks	No of Questions	Total Marks
Biology					5	5	9	9
Chemistry					5	5	8	8
English							50	50
Mathematics					10	10	10	10
Mental Ability							50	50
Physics					6	6	7	7
Social Science	2	2	5	5	24	24	9	9
Grand Total	2	2	5	5	50	50	143	143

## 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	1.14
Mathematics	1.85
Mental Ability	2.20
Science	1.73
Social Science	1.68
Total	1.70
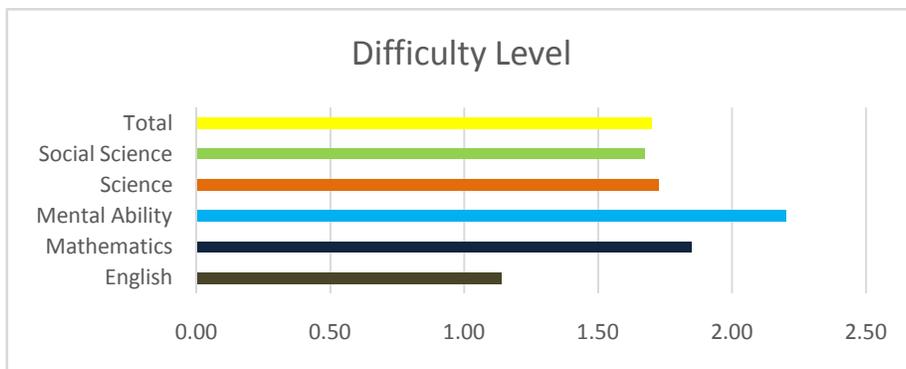
Difficulty Level

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	7	7	6	6	1	1
Chemistry	5	5	5	5	3	3
English	43	43	7	7		
Mathematics	6	6	11	11	3	3
Mental Ability	5	5	30	30	15	15
Physics	5	5	6	6	2	2
Social Science	20	20	13	13	7	7
Grand Total	**91**	**91**	**78**	**78**	**31**	**31**

Resonance Experts feel that MAT was difficult and other subjects were of equal difficulty level . While around 91 Marks can be considered easy overall, 78 marks are moderately difficulty and 31 marks are considered difficult by Resonance Team.

Overall, it is felt by Resonance Faculty Team that paper was slightly more difficult as compared to last year and the cut-off is expected to decrease as that of last year.

Question Wise Difficulty Breakup
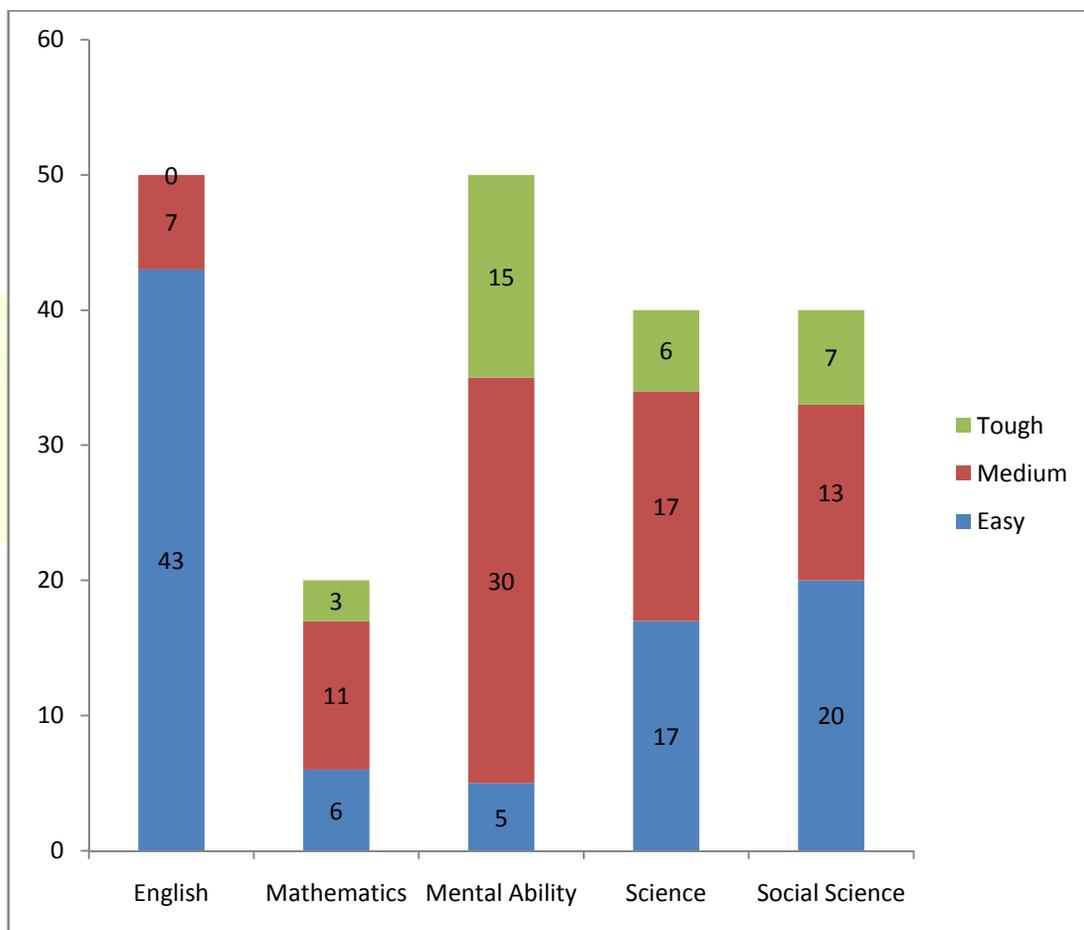
SUBJECT WISE ANALYSIS

SCIENCE ANALYSIS

Science			
UNIT & TOPIC NAME	**NO OF QUESTIONS**	**TOTAL MARKS**	**(%) WEIGHTAGE**
Science	**40**	**40**	**100.00%**
Biology	**14**	**14**	**35.00%**
Control and Coordination	1	1	2.50%
Diversity	3	3	7.50%
Excretion	1	1	2.50%
Heredity and Variation	1	1	2.50%
Human Diseases	1	1	2.50%
Natural Resources and Management	3	3	7.50%
Our Environment	1	1	2.50%
Tissue	1	1	2.50%
Transportation	2	2	5.00%
Chemistry	**13**	**13**	**32.50%**
Acid Bases and Salts	1	1	2.50%
Carbon and its compounds	3	3	7.50%
Chemical Reactions and Chemical Equations	1	1	2.50%
Matter	2	2	5.00%
Metal and Non Metals	2	2	5.00%
Mole concept	1	1	2.50%
Periodic Table and Periodicity	1	1	2.50%
Structure of Atom	2	2	5.00%
Physics	**13**	**13**	**32.50%**
Electricity	1	1	2.50%
Force and Laws of Motion	1	1	2.50%
Gravitation	1	1	2.50%
Light	3	3	7.50%
Magnetic effect of current and EMI	1	1	2.50%
Motion	1	1	2.50%
Sources of Energy	1	1	2.50%
Unit & dimensions	1	1	2.50%
Wave motion and Sound	1	1	2.50%
Work, Power and Energy	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%**
Arithmetic Progression	**1**	**1**	**5.00%**
Sum of nth term	1	1	5.00%
Circles	**2**	**2**	**10.00%**
Circumference of Circle	1	1	5.00%
Secant and tangent	1	1	5.00%
Coordinate geometry	**1**	**1**	**5.00%**
Distance formula	1	1	5.00%
Number System	**2**	**2**	**10.00%**
HCF and LCM	1	1	5.00%
Surds and exponents	1	1	5.00%
Percentage	**1**	**1**	**5.00%**
Conversion of fraction to percentage	1	1	5.00%
Polynomial	**1**	**1**	**5.00%**
Algebraic identities	1	1	5.00%
Probability	**1**	**1**	**5.00%**
Experimental probability	1	1	5.00%
Quadratic equations	**1**	**1**	**5.00%**
word problem (QE)	1	1	5.00%
Ratio & Proportion	**2**	**2**	**10.00%**
Ratio & Proportion	2	2	10.00%
Statistics	**2**	**2**	**10.00%**
Mean	2	2	10.00%
Surface area and volume	**1**	**1**	**5.00%**
Individual solids	1	1	5.00%
Triangles	**1**	**1**	**5.00%**
Angle sum property	1	1	5.00%
Trigonometry	**2**	**2**	**10.00%**
Trigonometric identities	1	1	5.00%
Trigonometric ratios of standard angles	1	1	5.00%
Variation	**1**	**1**	**5.00%**
Inverse Variation	1	1	5.00%
Visualization of Solids	**1**	**1**	**5.00%**
Axis of symmetry	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	50	50	100.00%
Non Verbal Reasoning	4	4	8.00%
Mirror Image	4	4	8.00%
Verbal Reasoning	46	46	92.00%
Alphabet Series	1	1	2.00%
analogy	2	2	4.00%
Arithmetical Reasoning	14	14	28.00%
Blood Relation	4	4	8.00%
Coding-Decoding	2	2	4.00%
Mathematical operations	2	2	4.00%
Missing term in figure	4	4	8.00%
number series	3	3	6.00%
Puzzle Test	8	8	16.00%
Ranking & Odering-Test	5	5	10.00%
Venn Diagram	1	1	2.00%
Grand Total	50	50	100.00%

ENGLISH ANALYSIS

English			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
English	50	50	100.00%
Comprehension	15	15	30.00%
Reading Comprehension	15	15	30.00%
Grammar	4	4	8.00%
Synonyms ,antonyms	4	4	8.00%
Grammar and Collocation	17	17	34.00%
Fillers	8	8	16.00%
Paragragh completion/cloze test	9	9	18.00%
Verbal Reasoning	6	6	12.00%
Rearrangement of sentences	6	6	12.00%
Vocabulary	8	8	16.00%

idioms and phrases	5	5	10.00%
one word substitution	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%**
Economics	**5**	**5**	**12.50%**
Consumer Rights	1	1	2.50%
Economics-demand and supply	1	1	2.50%
People as a Resource	1	1	2.50%
Poverty as a challenge	1	1	2.50%
Taxation	1	1	2.50%
Geography	**14**	**14**	**35.00%**
Agriculture	2	2	5.00%
Climate	2	2	5.00%
Drainage	1	1	2.50%
General knowledge	1	1	2.50%
India Size and location	2	2	5.00%
India Size and location(State board)	1	1	2.50%
Natural vegetation and wildlife	1	1	2.50%
Physical feature of India	1	1	2.50%
Physical features of India	1	1	2.50%
Population	2	2	5.00%
History	**11**	**11**	**27.50%**
Ancient History	1	1	2.50%
From trade to territory	2	2	5.00%
Medieval history mughal Empire	2	2	5.00%
Nationalism in Europe	1	1	2.50%
Nationalism in india	1	1	2.50%
The battle of PanipatAncient History	1	1	2.50%
The Mughal Empire	1	1	2.50%
The world wars	2	2	5.00%
Political Science	**10**	**10**	**25.00%**
Federalism	3	3	7.50%
Popular Struggles	1	1	2.50%
United nation	1	1	2.50%

United nations	1	1	2.50%
Working of the Constitution	1	1	2.50%
Working Of the institution	3	3	7.50%
Grand Total	**40**	**40**	**100.00%**

EXPECTED CUTOFF

Resonance Experts feel that while the overall paper was difficult from previous year, due to relative difficulty in solving mental ability questions, the cutoff is expected to decrease from last year. As per Resonance Experts, cutoff should be around 125**.**