Bihar 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.

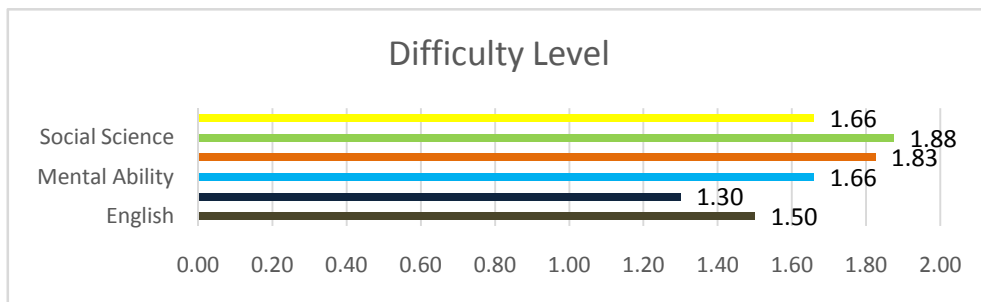| Test	No. Of Questions	Maximum Marks	Time Allotted
MAT	50 Questions	50 Marks	45 minutes
SAT - Language Test	50 Questions	50 Marks	45 minutes
SAT - Maths, Science, Social Sciences	100 Questions	100 Marks	90 minutes

Subject	Class 9		Class 10		Class 11/Miscellaneous		Total	
	No of Que.	Total Marks	No of Que.	Total Marks	No of Que.	Total Marks	No of Que.	Total Marks
Biology	2	2	12	12			14	14
Chemistry	2	2	8	8	3	3	13	13
English			50	50			50	50
Mathematics	16	16	4	4			20	20
Mental Ability			50	50			50	50
Physics			13	13			13	13
Social Science	6	6	32	32	2	2	40	40
Grand Total	26	26	169	169	5	5	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	1.50
Mathematics	1.30
Mental Ability	1.66
Science	1.83
Social Science	1.88
Total	1.66

Difficulty Level

Social Science 1.66 1.88
Mental Ability 1.83 1.66
English 1.30 1.50

0.00 0.20 0.40 0.60 0.80 1.00 1.20 1.40 1.60 1.80 2.00

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	6	6	4	4	4	4
Chemistry	1	1	9	9	3	3
English	27	27	21	21	2	2
Mathematics	14	14	6	6		
Mental Ability	25	25	17	17	8	8
Physics	7	7	6	6		
Social Science	15	15	15	15	10	10
Grand Total	**95**	**95**	**78**	**78**	**27**	**27**

Resonance Experts feel that all subjects were of similar difficulty level except chemistry. While around 95 Marks can be considered easy overall, 78 marks are moderately difficulty and 27 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
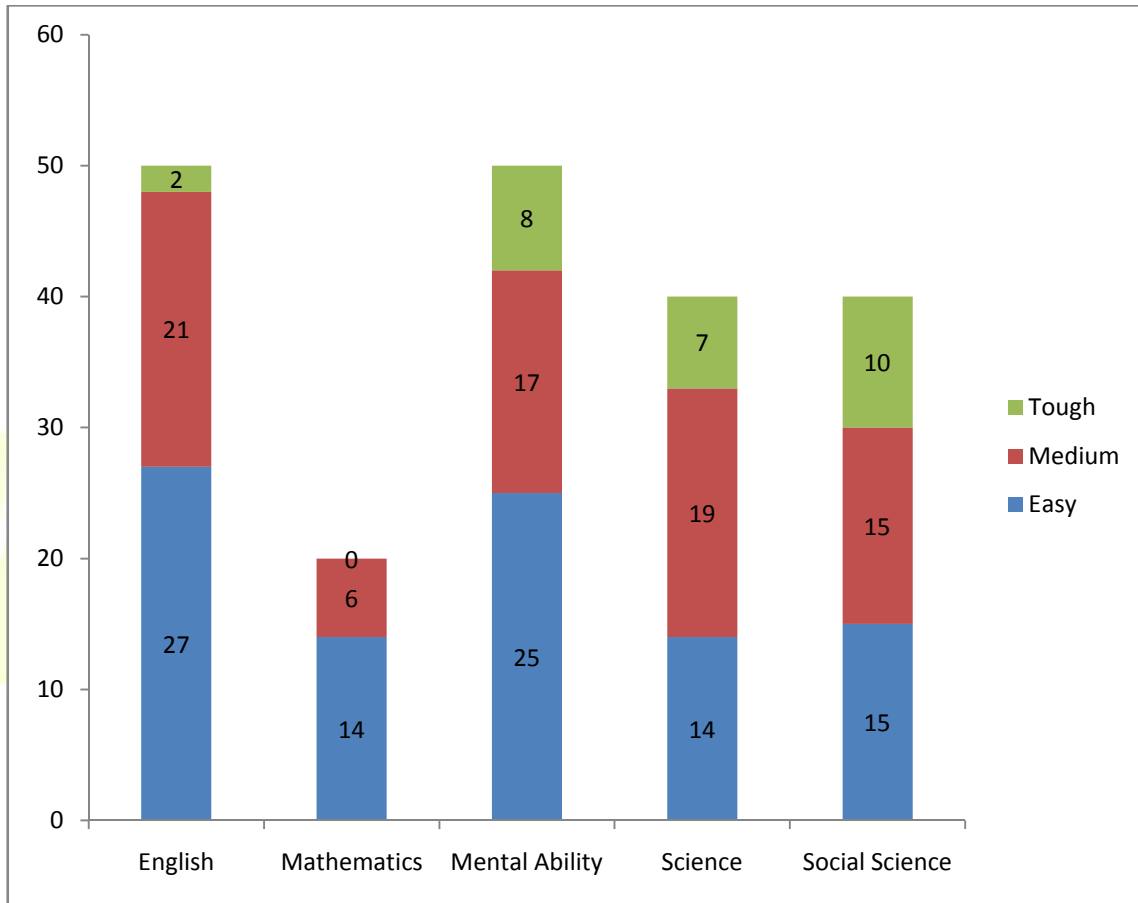
SUBJECT WISE ANALYSIS

SCIENCE ANALYSIS

Science			
UNIT & TOPIC NAME	**NO OF QUESTIONS**	**TOTAL MARKS**	**(%) WEIGHTAGE**
Science	**40**	**40**	**100.00%**
Biology	**14**	**14**	**35.00%**
Heredity and Variation	2	2	5.00%
Improvement in Food Resources	2	2	5.00%
Nutrition	2	2	5.00%
Our Environment	2	2	5.00%
Reproduction	5	5	12.50%
Transportation	1	1	2.50%
Chemistry	**13**	**13**	**32.50%**
Acid Bases and Salts	3	3	7.50%
Carbon and its compounds	3	3	7.50%
Chemical Reactions and Chemical Equations	1	1	2.50%
Equilibrium	1	1	2.50%
Kinetics	1	1	2.50%
Mole Concept	1	1	2.50%
Periodic Table and Periodicity	1	1	2.50%
Structure of Atom	1	1	2.50%
Thermodynamics	1	1	2.50%
Physics	**13**	**13**	**32.50%**
Electricity	6	6	15.00%
Light	6	6	15.00%
Magnetic effect of current and EMI	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%**

Arithmetic Progression	**2**	**2**	**10.00%**
Word problem	2	2	10.00%
Number System	**6**	**6**	**30.00%**
Classification of numbers	3	3	15.00%
Surds and Exponents	3	3	15.00%
Percentage	**1**	**1**	**5.00%**
Percentage	1	1	5.00%
Perimeter and area of plane figure	**2**	**2**	**10.00%**
Perimeter and area of plane figure	2	2	10.00%
Polynomial	**1**	**1**	**5.00%**
Classification of polynomials	1	1	5.00%
Profit & Loss	**2**	**2**	**10.00%**
Profit & Loss	2	2	10.00%
Ratio and Proportion	**1**	**1**	**5.00%**
Ratio	1	1	5.00%
Simple Interest and Compound Interest	**1**	**1**	**5.00%**
Simple Interest and Compound Interest	1	1	5.00%
Surface area and volume	**2**	**2**	**10.00%**
Individual solids	2	2	10.00%
Time, Speed & Distance	**1**	**1**	**5.00%**
Time, Speed & Distance	1	1	5.00%
#N/A	**1**	**1**	**5.00%**
Miscellaneous (Number Series)	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	**5**	**5**	**10.00%**
Dice Test	1	1	2.00%
Figure Partition & counting	3	3	6.00%

Water Mirror Image	1	1	2.00%
Verbal Reasoning	**45**	**45**	**90.00%**
Alphabet Series	3	3	6.00%
Analogy	5	5	10.00%
Arithmetical Reasoning	10	10	20.00%
Coding-Decoding	2	2	4.00%
Direction Sense	2	2	4.00%
Letter Repeating Series	1	1	2.00%
Mathematical operations	1	1	2.00%
Missing term in figure	2	2	4.00%
Number Series	3	3	6.00%
Sitting arrangement	10	10	20.00%
Venn Diagram	6	6	12.00%
Grand Total	**50**	**50**	**100.00%**

ENGLISH ANALYSIS

English			
UNIT & TOPIC NAME	**NO OF QUESTIONS**	**TOTAL MARKS**	**(%) WEIGHTAGE**
English	**50**	**50**	**100.00%**
Comprehension	**10**	**10**	**20.00%**
Reading Comprehension	10	10	20.00%
Grammar	**20**	**20**	**40.00%**
One word substitution	10	10	20.00%
Synonyms ,antonyms	10	10	20.00%
Grammar and Collocation	**15**	**15**	**30.00%**
Fillers	10	10	20.00%
Paragraph completion/cloze test	5	5	10.00%
Verbal Reasoning	**2**	**2**	**4.00%**
Rearrangement of sentences	2	2	4.00%
Vocabulary	**3**	**3**	**6.00%**
idioms and phrases	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	**8**	**8**	**20.00%**
Challenge to Democracy	2	2	5.00%
Federalism	3	3	7.50%
Political Parties	2	2	5.00%
Popular Struggles & Movement	1	1	2.50%
Economics	**8**	**8**	**20.00%**
Development	1	1	2.50%
Globalization and the Indian Economy	1	1	2.50%
Miscellaneous.	2	2	5.00%
Money & Credit	2	2	5.00%
Poverty as a challenge	1	1	2.50%
Sectors of the Indian Economy	1	1	2.50%
Geography	**13**	**13**	**32.50%**
Agriculture	3	3	7.50%
Lifeline of National Economy	2	2	5.00%
Manufacturing Industries	2	2	5.00%
Mineral and Energy Resources	2	2	5.00%
Miscellaneous.	1	1	2.50%
Natural Vegetation & Wildlife	1	1	2.50%
Population	1	1	2.50%
Water Resources	1	1	2.50%
History	**11**	**11**	**27.50%**
French revolution	1	1	2.50%
Miscellaneous.	2	2	5.00%
Nationalism in Europe	3	3	7.50%
Nationalism in India	2	2	5.00%
Nazism and the Rise of Hitler	1	1	2.50%
The Making of a Global world	2	2	5.00%
Grand Total	**40**	**40**	**100.00%**

EXPECTED CUTOFF

Resonance Experts feel that while the overall paper was easy from previous year, so the cutoff is expected to increase from last year. As per Resonance Experts, cutoff should increase to **90 from 88** last year.