

Gujarat 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 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 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 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

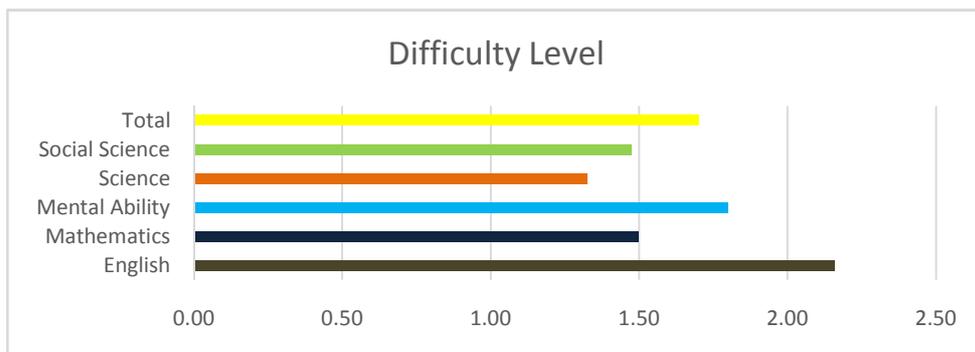
Subject	Class 9	Column1	Class 10	Column2	Total	Column3
	No of Questions	Total Marks	No of Questions	Total Marks	No of Questions	Total Marks
English	24	24	26	26	50	50
Mathematics	13	13	7	7	20	20
Mental Ability	25	25	25	25	50	50
Science	18	18	22	22	40	40
Social Science	16	16	24	24	40	40
Grand Total	96	96	104	104	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	2.16
Mathematics	1.50
Mental Ability	1.80
Science	1.33
Social Science	1.48
Total	1.70



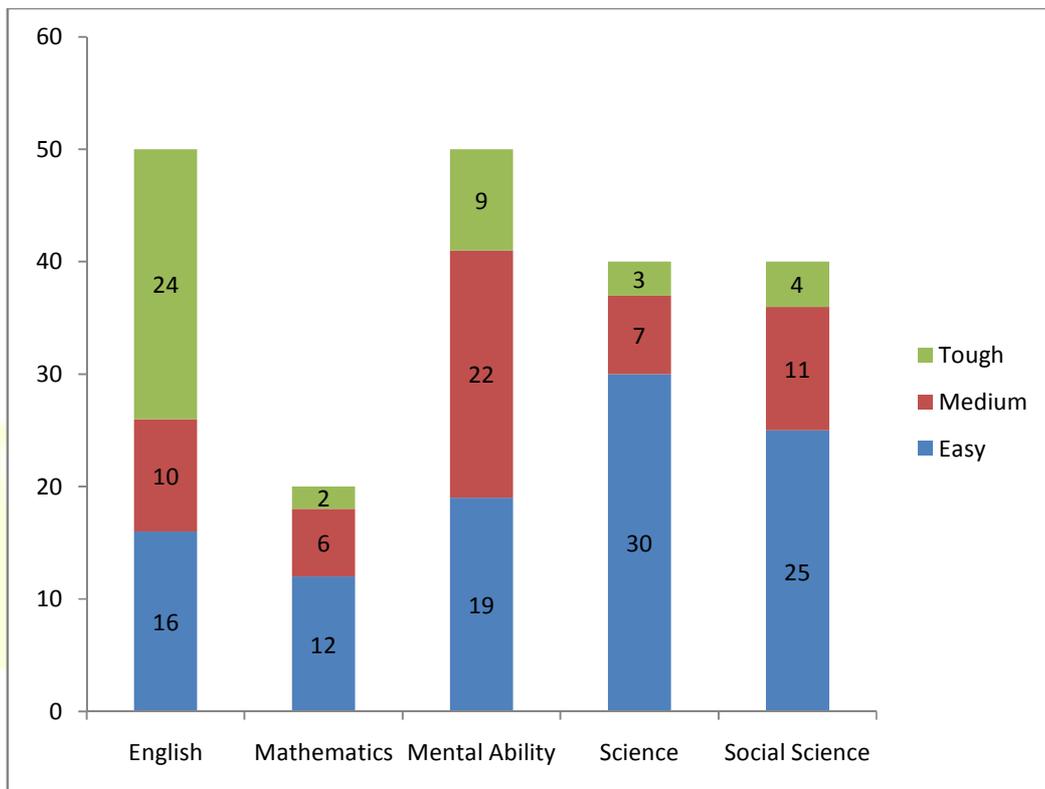
Difficulty Level Analysis: No of Questions

Subject	Easy Level	Column1	Medium Level	Column2	Difficult Level	Column3
	No of Questions	Total Marks	No of Questions	Total Marks	No of Questions	Total Marks
English	16	16	10	10	24	24
Mathematics	12	12	6	6	2	2
Mental Ability	19	19	22	22	9	9
Science	30	30	7	7	3	3
Social Science	25	25	11	11	4	4
Grand Total	102	102	56	56	42	42

Resonance Experts feel that all subjects were of similar difficulty level. While around 102 Marks can be considered easy overall, 56 marks are moderately difficulty and 42 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
Physics	13	13	100.00%
Nanotechnology	1	1	7.69
Light	3	3	23.08
Dispersion of Light and Natural optical phenomena	1	1	7.69
Electricity	2	2	15.38
Motion	2	2	15.38
Force	1	1	7.69
Gravitation	1	1	7.69
WPE	1	1	7.69
Sound	1	1	7.69
BIOLOGY:	14	14	100.00%
Heredity and evolution	1	1	7.14%
Plant tissue	2	2	14.28%
Disease	1	1	7.14%
Diversity	3	3	21.42%
Food resources	1	1	7.14%
Our Environment	1	1	7.14%
Control and Co-ordination	2	2	14.28%
Transportation circulation & Excretion in Organisms	1	1	7.14%
Management of Natural resources	1	1	7.14%
other	1	1	7.14%
CHEMISTRY	13	13	100.00%
Chemical Reactions and Chemical Equations	1	1	7.69
Chemical Bonding	1	1	7.69
Acid Bases and Salts	3	3	23.07
Atomic Structure	1	1	7.69
Properties of matter	2	2	15.38
Metals	2	2	15.38
Non-metals	3	3	23.07
Grand Total	40	40	100.00%

MATHEMATICS ANALYSIS

Mathematics			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Mathematics	20	20	100.00%
Area of plane figures	1	1	5.00%
Linear equation in two variables	2	2	10.00%
Number System	2	2	10.00%
Plane Geometry			
Mixed Problem on Circle and Triangle	1	1	5.00%
Polynomial	1	1	5.00%
Probability	1	1	5.00%
Statistics	1	1	5.00%
Surface area and volume	1	1	5.00%
Trigonometry	3	3	15.00%
Set operation	1	1	5.00%
Trigonometry	2	2	10.00%
Quadrilaterals	1	1	5.00%
Log	1	1	5.00%
Similar Triangles	1	1	5.00%
Circles	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 Analogy	1	1	2.00%
Non-verbal classifications	10	10	20.00%
Arithmetical Reasoning	4	4	8.00%
Blood Relation	1	1	2.00%
Coding-Decoding	10	10	20.00%
Direction sense	2	2	4.00%
Mathematical operations	1	1	2.00%
Missing term in figure	5	5	10.00%
Number series	10	10	20.00%
Ranking & Odering- Test	2	2	4.00%
Venn Diagram	1	1	2.00%
Clock	2	2	4.00%
Calender	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%
Literature			
9th	13	13	26.00%
10th	14	14	28.00%
Conjunction	1	1	2.00%
Voice	2	2	4.00%
Phrase	2	2	4.00%
Antonyms	3	3	6.00%
Transformation of sentence	10	10	20.00%
Figures of Speech	1	1	2.00%
Vocabulary	4	4	8.00%
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%
Agriculture(10)	2	2	5.00%
general knowledge	5	5	12.50%
Drainage	2	2	5.00%
India - Size and Location	3	3	7.50%
Economic globalisation and liberalization	1	1	2.50%
Natural Vegetation & Wildlife	4	4	10.00%
Economic development	3	3	7.50%
Natural resources	2	2	5.00%
Resources and Development			
Water Resource	1	1	2.50%
Dynamics of human development	3	3	7.50%
Fundamental duties and rights and directive principles	1	1	2.50%
organs of government	1	1	2.50%
Our glorious heritage	2	2	5.00%
Indian culture: sculpture and architecture	2	2	5.00%
World war 1 & 2 Russian Revolution	1	1	2.50%
National movement of India	1	1	2.50%
Movement towards Independence	1	1	2.50%
Post independent India	1	1	2.50%
Indian culture: literature	4	4	10.00%
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 **128 from 126** last year.