Madhya Pradesh 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		Total	
	No of Questions	Total Marks	No of Questions	Total Marks	No of Questions	Total Marks
Biology	3	3	11	11	14	14
Chemistry	2	2	11	11	13	13
English			50	50	50	50
Mathematics	10	10	10	10	20	20
Mental Ability			50	50	50	50
Physics	4	4	9	9	13	13
Social Science	17	17	23	23	40	40
Grand Total	**36**	**36**	**164**	**164**	**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	1.12
Mathematics	1.15
Mental Ability	1.22
Science	1.48
Social Science	1.73
Total	**1.37**
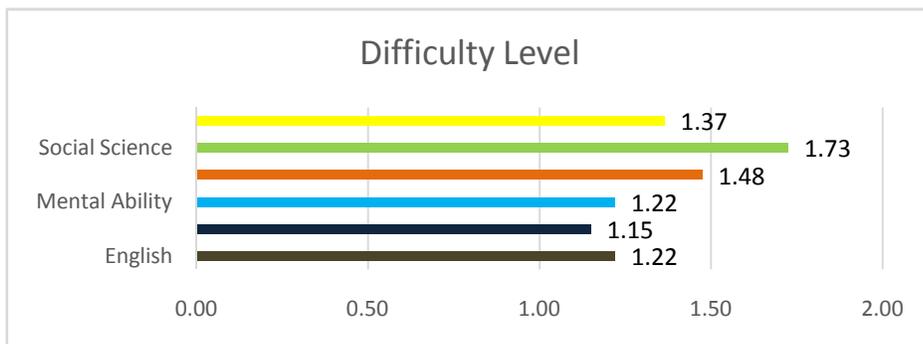
Difficulty Level

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	11	11	2	2	1	1
Chemistry	9	9	3	3	1	1
English	40	40	9	9	1	1
Mathematics	17	17	3	3		
Mental Ability	40	40	9	9	1	1
Physics	5	5	6	6	2	2
Social Science	18	18	15	15	7	7
Grand Total	**140**	**140**	**47**	**47**	**13**	**13**

Resonance Experts feel that all subjects were of similar difficulty level. While around 140 Marks can be considered easy overall, 47 marks are moderately difficulty and 13 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
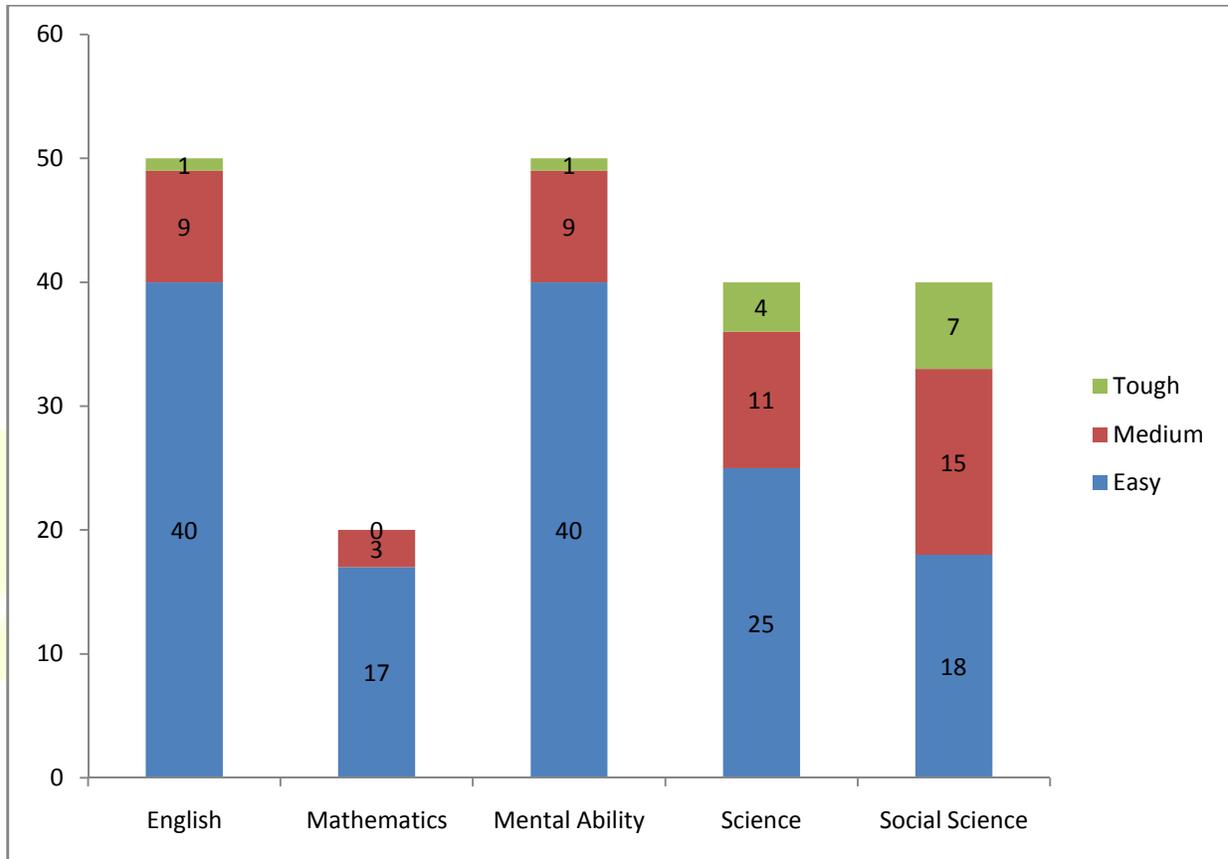
SUBJECT WISE ANALYSIS

SCIENCE ANALYSIS

Science			
UNIT & TOPIC NAME	**NO OF QUESTIONS**	**TOTAL MARKS**	**(%) WEIGHTAGE**
Science	**40**	**40**	**100.00%**
BIOLOGY	**14**	**14**	**35.00%**
CELL	2	2	5.00%
CONTROL AND CO-ORDINATION	2	2	5.00%
DIVERSITY OF LIVING ORGANISM/NUTRITION	1	1	2.50%
ECOLOGY AND ENVIRONMENT	4	4	10.00%
MEDICINAL PLANTS(MP BOARD)	1	1	2.50%
NUTRITION	1	1	2.50%
REPRODUCTION	2	2	5.00%
TRANSPORTATION	1	1	2.50%
CHEMISTRY	**13**	**13**	**32.50%**
ACID, BASE AND SALTS	2	2	5.00%
CARBON AND ITS COMPOUND	2	2	5.00%
CHEMICAL EQUATION AND REACTION	1	1	2.50%
COAL AND PETROLEUM	1	1	2.50%
MATTER	2	2	5.00%
METAL AND NON METAL	2	2	5.00%
PERIODIC TABLE	2	2	5.00%
POLYMER	1	1	2.50%
PHYSICS	**13**	**13**	**32.50%**
ELECTRICITY	4	4	10.00%
HEAT AND TEMPARATURE	1	1	2.50%
LIGHT	2	2	5.00%
MEASURMENT IN SCIENCE AND TECHNOLOGY	1	1	2.50%
MOTION	2	2	5.00%
OUR UNIVERSE	3	3	7.50%
Grand Total	**40**	**40**	**100.00%**

MATHEMATICS ANALYSIS

Mathematics			
UNIT & TOPIC NAME	**NO OF QUESTIONS**	**TOTAL MARKS**	**(%) WEIGHTAGE**
Mathematics	**20**	**20**	**100.00%**
Mathematics	**20**	**20**	**100.00%**
COMMERCIAL MATHEMATICS	2	2	10.00%
CO-ORDINATE GEOMETRY	3	3	15.00%
MENSURATION	5	5	25.00%
PROBABILITY	2	2	10.00%
QUADRATIC EQUATION	2	2	10.00%
SETS	2	2	10.00%
TRIGNOMETRY	4	4	20.00%
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	**9**	**9**	**18.00%**
FIGURE PARTITION & COUNTING	1	1	2.00%
NON-VERBAL CLASSIFICATION	3	3	6.00%
NON-VERBAL SERIES	5	5	10.00%
Verbal Reasoning	**41**	**41**	**82.00%**
ANALOGY	12	12	24.00%
ARITHMETICAL REASONING	2	2	4.00%
BLOOD RELATION	3	3	6.00%
CALENDER	2	2	4.00%
CLASSIFICATION	2	2	4.00%
DIRECTION SENSE	1	1	2.00%
MISSING TERM IN FIGURE	7	7	14.00%
NUMBER SERIES	5	5	10.00%
PUZZLE TEST	3	3	6.00%
RANKING & ODERING- TEST	4	4	8.00%
Grand Total	**50**	**50**	**100.00%**

ENGLISH ANALYSIS

English			
UNIT & TOPIC NAME	**NO OF QUESTIONS**	**TOTAL MARKS**	**(%) WEIGHTAGE**
English	**50**	**50**	**100.00%**
Comprehension	**9**	**9**	**18.00%**
Reading Comprehension	9	9	18.00%
Grammar	**4**	**4**	**8.00%**
Synonyms ,antonyms	4	4	8.00%
Grammar and Collocation	**28**	**28**	**56.00%**
Fillers	28	28	56.00%
Verbal Reasoning	**5**	**5**	**10.00%**
Cloze Test	5	5	10.00%
Vocabulary	**4**	**4**	**8.00%**
idioms and phrases	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%**
CIVICS	**5**	**5**	**12.50%**
CONSTITUTIONAL RIGHTS AND DUTIES	2	2	5.00%
FUNCTIONING OF INDIAN DEMOCRACY	2	2	5.00%
INDIAN CONSTITUTION	1	1	2.50%
ECONOMICS	**5**	**5**	**12.50%**
ECONOMIC DEVELOPMENT AND PLANNING	2	2	5.00%
ECONOMIC SYSTEM	1	1	2.50%
ECONOMY : SERVICE SECTOR AND INFRASTRUCTURE	1	1	2.50%
MONEY AND FINANCIAL SYSTEM	1	1	2.50%
GEOGRAPHY	**15**	**15**	**37.50%**
AGRICULTURE	1	1	2.50%
CLIMATE	1	1	2.50%
DRAINAGE	2	2	5.00%
INDIA - SIZE AND LOCATION	1	1	2.50%

INDIA-LOCATION AND PHYSICAL DIVISION	2	2	5.00%
INDUSTRIES IN INDIA	1	1	2.50%
MAP READING AND DEPICTION	2	2	5.00%
NATURAL VEGETATION & WILDLIFE	1	1	2.50%
RESOURCES OF INDIA	3	3	7.50%
TRANSPORT COMMUNICATION AND FOREIGN TRADE	1	1	2.50%
HISTORY	**15**	**15**	**37.50%**
ANCIENT INDIA	5	5	12.50%
CONTRIBUTION OF M.P. IN FREEDOM STRUGGLE	1	1	2.50%
FIRST STRUGGLE OF FREEDOM OF 1857	1	1	2.50%
FREEDOM MOVEMENT AND RELATED MOVEMENT	3	3	7.50%
MEDIEVAL INDIA	2	2	5.00%
NATIONAL AWAKNING AND ESTABLISHMENT OF POLITICAL ORGINAZATION IN INDIA	1	1	2.50%
POST INDEPENDENT INDIA	2	2	5.00%
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 decrease from last year. As per Resonance Experts, cutoff should decrease to **126 from 131** last year.