

## **NTSE Stage-2, 2013 : A Detailed Analysis by Resonance PCCP**

The National Talent Search Examination (NTSE) is a national level scholarship program in India to Identify and Nurture talented students. NTSE Stage -2 Conducted on 12<sup>th</sup> May, 2013. Around 4000 students were appeared for this Exam.

It was conducted in three part

1. Mental Ability Test
2. Language Test (English or Hindi)
3. Scholastic Aptitude Test

**Mental Ability Test** was conducted from 08:30 AM to 09:15 AM.

**Language Test** was conducted from 09:45 AM to 10:30 AM.

**Aptitude Test** was conducted from 11:15 AM to 12:45 PM.

### **Overall Marks Distribution of NTSE Stage-2, 2013**

<b>Subject</b>	<b>No of Questions</b>	<b>Marks Allocation</b>
<b>Physics</b>	<b>13</b>	<b>15</b>
<b>Chemistry</b>	<b>13</b>	<b>10</b>
<b>Biology</b>	<b>14</b>	<b>15</b>
<b>Social Science</b>	<b>40</b>	<b>40</b>
<b>Mathematics</b>	<b>20</b>	<b>20</b>
<b>Mental Ability</b>	<b>50</b>	<b>50</b>
<b>Language Test</b>	<b>50</b>	<b>50</b>
<b>Total</b>	<b>200</b>	<b>200</b>

## Overall Difficulty Level Analysis

In this analysis we have rated every question on a scale of 1 to 5. The ratings are done by expert faculty of Resonance.

1: Very Easy    2. Easy    **3. Moderate**    4. Difficult    5. Very Difficult

Subject	Difficulty Level Analysis
Physics	3
Chemistry	3
Biology	3
Social Science	3
Mathematics	3
Mental Ability	3
Language Test	3

### Difficulty Level Analysis : No of Questions

Subject	Very Easy	Easy	Moderate	Difficult	Very Difficult	Total
Physics	1	7	4	1	0	13
Chemistry	0	1	8	4	0	13
Biology	0	1	7	4	2	14
Social Science	5	12	16	5	2	40
Mathematics	7	3	7	2	1	20
Mental Ability	0	15	15	4		50
Language Test	7	25	10	5	10	50
<b>Total</b>	<b>13</b>	<b>80</b>	<b>67</b>	<b>25</b>	<b>15</b>	<b>200</b>

## Physics Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage
Motion	3	3	23.1
Gravitation	2	2	15.4
Electricity	2	2	15.4
Magnetic Effect of current	2	2	15.4
Light	2	2	15.4
Wave Motion of Sound	1	1	7.7
Sources of Energy & Nuclear Physics	1	1	7.7
<b>Grand Total</b>	<b>13</b>	<b>13</b>	<b>100.0</b>

## Chemistry Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage
Structure of Atom	1	1	7.7
Mole concept	1	1	7.7
Periodic Table	1	1	7.7
Chemical Reactions & Equations	1	1	7.7
Acids, Bases and Salts	2	2	15.4
Carbon and its compounds	2	2	15.4
Metals and Non-Metals	3	3	23.1
Matter	2	2	15.4
<b>Grand Total</b>	<b>13</b>	<b>13</b>	<b>100.0</b>

## Biology Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage
Fundamental unit of life	1	1	7.1
Tissue	1	1	7.1
Reproduction	2	2	14.3
Diversity of Living World	1	1	7.1
Nutrition	2	2	14.3
Transportation	1	1	7.1
Environment	3	3	21.4
Control & Coordination	1	1	7.1
Heredity and variation	2	2	14.3
<b>Grand Total</b>	<b>14</b>	<b>14</b>	<b>100.0</b>

## Mathematics Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage
Number System	3	3	15.0
Polynomial	1	1	5.0
Linear Equations in two variables	3	3	15.0
Quadratic Equations	1	1	5.0
Trigonometry	1	1	5.0
Line and Angles, Triangles	1	1	5.0
Quadrilateral	2	2	10.0
Surface Area & Volume	6	6	30.0
Statistics	1	1	5.0
Probability	1	1	5.0
<b>Grand Total</b>	<b>20</b>	<b>20</b>	<b>100.0</b>

## Social Science Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage
<b>History</b>			
Clothing: A Social history	1	1	2.5
Nationalism in europe]	2	2	5.0
Print Culture and the Modern World	1	1	2.5
Nazism and the Rise of Hitler	2	2	5.0
Forest, Society and Colonialism	1	1	2.5
The Making of Global World	2	2	5.0
Peasants and Farmers	1	1	2.5
History and Sport : The Story of Cricket	1	1	2.5
Novels,society & History	1	1	2.5
Nationalism in India	3	3	7.5
<b>Civics</b>			
Federalism	2	2	5.0
Gender,Religion & Caste	1	1	2.5
Outcomes of Democracy	1	1	2.5
Constitutional Design	2	2	5.0
<b>Geography</b>			
Lifelines of National Economy	3	3	7.5
Mineral and Energy Resources	1	1	2.5
Physical Divisions of India	1	1	2.5
Drainage	1	1	2.5
Climate	2	2	5.0
Population	2	2	5.0
Resources & Development	1	1	2.5
Natural Vegetation & Wildlife	1	1	2.5
India Size & Location	2	2	5.0
<b>Economics</b>			
Sectors of the Indian Economy	1	1	2.5
Globalisation and the Indian Economy	2	2	5.0
Money & Credit	1	1	2.5
People as a Resource	1	1	2.5
<b>Grand Total</b>			<b>100.0</b>

## Mental Ability Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage
Number Series	3	3	6.0
Letter Repeating Series	1	1	2.0
Missing term in figure	5	5	10.0
Mathematical operations	3	3	6.0
Coding-Decoding	2	2	4.0
Sitting arrangement	6	6	12.0
Ranking & Odering- Test	2	2	4.0
Venn Diagram	2	2	4.0
Direction Sense	2	2	4.0
Classification	1	1	2.0
Puzzle Test	3	3	6.0
Datasufficiency	1	1	2.0
CLOCK TEST	1	1	2.0
Logical Reasoning	2	2	4.0
Sylloligsm	2	2	4.0
Dice Test	4	4	8.0
Figure Partition & counting	2	2	4.0
Non-Verbal Series	1	1	2.0
Non-Verbal Analogy	1	1	2.0
Non-Verbal Classification	1	1	2.0
Mirror Image	3	3	6.0
Miscellaneous	2	2	4.0
<b>Grand Total</b>	<b>50</b>	<b>50</b>	<b>100.0</b>



## Language (English) Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage
Cloze Test	8	8	16.0
Sentence completion (Filler)	14	14	28.0
Parajumbles	2	2	4.0
Reading Comprehension	15	15	30.0
Paragraph Completion	2	2	4.0
Vocabulary :			
Phrases & Idiom	6	6	12.0
Antonyms	3	3	6.0
<b>Grand Total</b>	<b>50</b>	<b>50</b>	<b>100.0</b>