

## NTSE 2015 (Stage-1) : 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 -1 has been conducted on 2nd November, 2014. This year students of class-X were eligible for this exam. Almost 450 students will be selected for Stage-2 from Uttar Pradesh and similarly all students selected from different states and union territories will appear in Stage-2 going to be held on 10th May 2015. Almost 3500 students will appear for final stage and 1000 students will be awarded NTSE Scholarship of ₹ 1250 per month till post graduation.

It was conducted in three part

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

Timing: 08:00 AM to 11:00 AM

Overall Marks Distribution of NTSE Stage-I 2014 State : U.P.		
Subjects	No. of Questions	Marks allocation
Physics	11	11
Chemistry	12	12
Biology	12	12
Social Science	35	35
Mathematics	20	20
Mental Ability	50	50
Language Test	40	40
<b>Total</b>	<b>180</b>	<b>180</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	2
Biology	3
Social Science	2
Mathematics	2
Mental Ability	2
Language	3

### Difficulty Level Analysis : No of Questions

Subject	Very Easy	Easy	Moderate	Difficult	Very difficult	Total
Physics	4	2	4	1		11
Chemistry	4	5	3			12
Biology	4	3	2	2	1	12
Social Science	10	20	5			35
Mathematics	4	10	4	1		20
Mental Ability	8	26	11	4		50
Language	10	20	6	4		40
<b>Total</b>						<b>180</b>

## Physics Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Motion	0		0
Gravitation	0		0
Electricity	0		0
Magnetic Effect of current & EMI	0		0
Light	2	2	18.0
Wave Motion of Sound	2	2	18.0
Force Laws of Motion	0		0
Fluid & Pressure	0		0
Sources of Energy & Nuclear Physics	1	1	9.0
WEP	2	2	18.0
Universe	2	2	18.0
Heat	2	2	18.0
<b>Grand Total</b>			<b>100.0</b>

## Chemistry Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Structure of Atom	2	12	16.0
Mole concept	7	12	58.0
Periodic Table	0	12	0.0
Chemical Reactions & Equations	2	12	16.0
Acids, Bases and Salts	0	12	0.0
Carbon and its compounds	0	12	0.0
Matter	0	12	0.0
Nuclear chemistry	1	12	8.0
<b>Grand Total</b>			<b>100.0</b>

## Biology Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Fundamental unit of life	0	12	0.0
Tissue	0	12	0.0
Reproduction	2	12	16.0
Diseases	1	12	8.0
Nutrition	0	12	0.0
Environment	0	12	0.0
Control & Coordination	0	12	0.0
Heredity and variation	0	12	0.0
Diversity of living organisms	5	12	42.0
Transportation	1	12	8.0
Improvement of food resources	3	12	25.0
<b>Grand Total</b>			<b>100.0</b>

## Mathematics Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Number System	2	20	10.0
Polynomial	5	20	25.0
Quadratic Equations	1	20	5.0
Trigonometry	4	20	20.0
Triangles	0	20	0.0
Quadrilateral	0	20	0.0
Surface Area & Volume	1	20	5.0
Circle	2	20	10.0
Combinatory	0	20	0.0
Co-ordinate geometry	2	20	10.0
Statistics	2	20	10.0
Lines and angles	1	20	5.0
<b>Grand Total</b>			<b>100.0</b>

## Social Science Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
<b>History</b>	0	0	0.0
	0	0	
Clothing: A Social history	0	0	0.0
Nationalism in europe	0	0	0.0
Print Culture and the Modern World	0	0	0.0
Nazism and the Rise of Hitler	0	0	0.0
Nationalism in in do china	0	0	0.0
French revolution	0	0	0.0
Pastorist in the modern world	0	0	0.0
Peasants and Farmers	0	0	0.0
History and Sport : The Story of Cricket	0	0	0.0
Work life and leisure	0	0	0.0
Nationalism in India	2	35	5.7
<b>Civics</b>			0.0
Federalism	1	35	2.8
Power sharing	0	35	0.0
Working Of the institution	2	35	5.7
Democracy in the contemporary world	0	35	87.5
<b>Geography</b>			
Manufacturing industries	0	35	0.0
Lifeline of national economy	0	35	0.0
Agriculture	0	35	0.0
Mineral and Energy Resources	0	35	0.0
Physical Divisions of India	0	35	0.0
Drainage	1	35	2.8
Climate	1	35	2.8
Population	1	35	2.8
Resources & Development	0	35	0.0
Natural Vegetation & Wildlife	0	35	0.0
India Size & Location	1	35	2.8
<b>Economics</b>			
Story of village palampur	0	35	0.0
Development	1	35	2.8
Money & Credit	0	35	0.0
Consumer Rights	0	35	0.0
People as a Resource	0	35	0.0
<b>GK</b>	25	35	71.4
<b>Grand Total</b>			100.0

## Mental Ability Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Number Series	3	50	6.0
Letter Repeating Series	5	50	10.0
Missing term in figure	3	50	6.0
Mathematical operations	5	50	10.0
Coding-Decoding	7	50	14.0
Blood Relation	1	50	2.0
Ranking & Odering- Test	1	50	2.0
Venn Diagram	3	50	6.0
Analogy	3	50	6.0
Classification	3	50	6.0
Puzzle Test	3	50	6.0
Datasufficiency	0	50	0.0
Calendar	0	50	0.0
Sylloligsm	0	50	0.0
Dice Test	0	50	0.0
Figure Partition & counting	0	50	0.0
Non-Verbal Classification	4	50	8.0
Non-Verbal analogy	4	50	8.0
Non-verbal series	4	50	8.0
Directions sense test	1	50	2.0
<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 in %
Cloze Test	8	40	20.0
Sentence completion (Filler)	9	40	22.5
Parajumbles	4	40	10.0
Reading Comprehension	10	40	25.0
Phrasal Verbs	0	40	0.0
Phrases & Idiom	6	40	15.0
Antonyms	3	40	7.5
<b>Grand Total</b>			<b>100.0</b>