

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 68 students will be selected for Stage-2 from Delhi 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

Time: 10:00 AM to 01:00 PM

Overall Marks Distribution of NTSE Stage-I 2014 State : DELHI		
Subjects	No. of Questions	Marks allocation
Physics	12	12
Chemistry	11	11
Biology	12	12
Social Science	35	35
Mathematics	20	20
Mental Ability	50	50
Language Test	40	40
Total	180	180

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	2
Chemistry	3
Biology	2
Social Science	3
Mathematics	3
Mental Ability	3
Language	

Difficulty Level Analysis : No of Questions

Subject	Very Easy	Easy	Moderate	Difficult	Very difficult	Total
Physics	3	5	4			12
Chemistry	2	3	4	2		11
Biology	1	5	6			12
Social Science	11	8	7	4	5	35
Mathematics	5	4	10	1		20
Mental Ability	10	11	24	5		50
Language						
Total	32	36	55	12	5	140

Physics Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Motion	2	2	15.4
Electricity	2	2	15.4
Magnetic Effect of current & EMI	2	2	15.4
Light	2	2	15.4
Force Laws of Motion & WEP	1	1	7.7
Fluid & Pressure	1	1	7.7
Heat Flow	1	1	7.7
Grand Total	11	11	100.0

Chemistry Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Structure of Atom	1	1	7.7
Mole concept	1	1	7.7
Periodic Table	2	2	15.4
Chemical Reactions & Equations	1	1	7.7
Acids, Bases and Salts	3	3	23.1
Carbon and its compounds	2	2	15.4
Metal & Non-Metal	1	1	7.7
Grand Total	11	11	100.0

Biology Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Fundamental unit of life	1	1	7.1
Reproduction	1	1	7.1
Diseases	1	1	7.1
Nutrition	1	1	7.1
Environment	1	1	7.1
Control & Coordination	2	2	14.3
Heredity and variation	1	1	7.1
Adaptation	1	1	7.1
Excretion	1	1	7.1
Transportation	1	1	7.1
Respiration	1	1	7.1
Grand Total	12	12	100.0

Mathematics Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Probability	1	1	5.0
Polynomial	2	2	10.0
Quadratic Equations	2	2	10.0
Trigonometry	3	3	15.0
Triangles	1	1	5.0
Co-Ordinate Geometry	2	2	10.0
Surface Area & Volume	1	1	5.0
Circle	2	2	10.0
Commercial Mathematics	3	3	15.0
Average	1	1	5.0
A.P.	2	2	10.0
Grand Total	20	20	100.0

Mental Ability Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Missing term in figure	3	3	6.0
Mathematical operations	23	23	46.0
Coding-Decoding	3	3	6.0
Ranking & Odering- Test	3	3	6.0
Venn Diagram	4	4	8.0
Dice Test	3	3	6.0
Non-Verbal Classification	5	5	10.0
Mirror Images	3	3	6.0
Cube Test	3	3	6.0
Grand Total	50	50	100.0

Social Science

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
History			
Print Culture and the Modern World	1	1	2.5
Nazism and the Rise of Hitler	2	2	5.0
French revolution	2	2	5.0
Russian revolution	1	1	
Nationalism in India	4	4	10.0
Civics			
Federalism	2	2	5.0
Popular Struggles and Movements	3	3	7.5
Gender, Religion and Caste	1	1	2.5
Constitutional Design	1	1	2.5
Challenges to Democracy	1	1	2.5
Outcomes of Democracy	1	1	2.5
Democractic Rights	1	1	2.5
Geography			
Mineral and Energy Resources	1	1	2.5
Physical Divisions of India	1	1	2.5
Drainage	1	1	2.5
Climate	1	1	2.5
Agriculture	2	2	5.0
Resources & Development	1	1	2.5
Water Resources	1	1	
Economics			
Food Security	1	1	2.5
Consumer Rights	1	1	2.5
People as a Resource	2	2	5.0
GK			
	3	3	7.5
Grand Total	35	35	100.0