

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 230 students will be selected for Stage-2 from Jharkhand 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 : Jharkhand		
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

Difficulty Level Analysis : No of Questions

Subject	Very Easy	Easy	Moderate	Difficult	Very difficult	Total
Physics	6	4	1	1	0	12
Chemistry	0	2	6	3	0	11
Biology	2	2	6	1	1	12
Social Science	5	10	9	6	5	35
Mathematics	1	13	4	1	1	20
Mental Ability	11	19	13	3	4	50
Language	20	10	5	5	0	40
Total	45	60	44	20	11	180

Physics Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Motion	2	2	15.4
Gravitation	1	1	7.7
Electricity	2	2	15.4
Magnetic Effect of current & EMI	0	0	0.0
Light	3	3	23.1
Wave Motion of Sound	1	1	7.7
Force Laws of Motion & WEP	3	3	23.1
Grand Total			100.0

Chemistry Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Structure of Atom	0	0	0.0
Mole concept	1	1	7.7
Periodic Table	0	0	0.0
Chemical Reactions & Equations	1	1	7.7
Acids, Bases and Salts	1	1	7.7
Carbon and its compounds	2	2	15.4
Matter	0	0	0.0
Polymer	1	1	7.7
Biomolecules	1	1	7.7
Metals and Nonmetals	3	3	23.1
Electrolysis	1	1	7.7
Grand Total			100.0

Biology Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Fundamental unit of life	0	0	0.0
Tissue	0	0	0.0
Reproduction	1	1	7.1
Diseases	2	2	14.3
Nutrition	2	2	14.3
Environment	0	0	0.0
Control & Coordination	0	0	0.0
Heredity and variation	1	1	7.1
Respiration	2	2	14.3
Transportation	2	2	14.3
Excretion	1	1	7.1
Improvement of Food Resources	1	1	7.1
Grand Total			100.0

Mathematics Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Number System	0	0	0.0
Polynomial	1	1	5.0
Quadratic Equations	1	1	5.0
Trigonometry	3	3	15.0
Triangles	1	1	5.0
Quadrilateral	1	1	5.0
Surface Area & Volume	3	3	15.0
Circle	0	0	0.0
Combinatory	0	0	0.0
Arithmetic Progression	1	1	5.0
Linear Equations in Two Variables	2	2	10.0
Probability	3	3	15.0
Coordinate Geometry	1	1	5.0
Statistics	3	3	15.0
Grand Total			100.0

Mental Ability Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Number Series	5	5	10.0
Letter Repeating Series	0	0	0.0
Missing term in figure	3	3	6.0
Mathematical operations	1	1	2.0
Coding-Decoding	0	0	0.0
Blood Relation	0	0	0.0
Ranking & Odering- Test	0	0	0.0
Venn Diagram	4	4	8.0
Analogy	0	0	0.0
Classification	0	0	0.0
Puzzle Test	0	0	0.0
Datasufficiency	0	0	0.0
Calendar	0	0	0.0
Sylloligsm	0	0	0.0
Dice Test	0	0	0.0
Figure Partition & counting	1	1	2.0
Non-Verbal Classification	7	7	14.0
Alphabet Series	9	9	18.0
Mathematics	9	9	18.0
Alphabet Test	4	4	8.0
Mirror Image and Water Image	7	7	14.0
Grand Total	50	50	100.0

Social Science

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
History			
Clothing: A Social history	4	4	10.0
Nationalism in europe	0	0	0.0
Print Culture and the Modern World	1	1	2.5
Nazism and the Rise of Hitler	0	0	0.0
Nationalism in indo china	0	0	0.0
French revolution	0	0	0.0
Pastorlist 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
Colonialism and De-colonialism	1	1	2.5
Russian Revolution	1	1	2.5
Nationalism in India	3	3	7.5
Civics			
Federalism	2	2	5.0
Power sharing	0	0	0.0
Working Of the institution	6	6	15.0
Democracy in India	2	2	5.0
Geography			
Manufacturing industries	0	0	0.0
Lifeline of national economy	2	2	5.0
Agriculture	0	0	0.0
Mineral and Energy Resources	0	0	0.0
Physical Divisions of India	1	1	2.5
Drainage	1	1	2.5
Climate	1	1	2.5
Population	1	1	2.5
Resources & Development	1	1	2.5
Natural Vegetation & Wildlife	1	1	2.5
India Size & Location	2	2	5.0
Economics			
Story of village palampur	0	0	0.0
Development	1	1	2.5
Money & Credit	1	1	2.5
Consumer Rights	1	1	2.5
People as a Resource	1	1	2.5
World Economy	1	1	2.5
Grand Total	35	35	100.0