

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 430 students will be selected for Stage-2 from Maharashtra 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

MAT was conducted from 10:30 AM to 11:15 AM

LCT was conducted from 11:45 AM to 12:30 PM

SAT was conducted from 01:30 PM to 03:00 PM

Overall Marks Distribution of NTSE Stage-I 2014 State : Maharashtra		
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	3	4	3	2	-	12
Chemistry	1	4	5	1	-	11
Biology	0	4	5	3	-	12
Social Science	8	12	10	5	-	35
Mathematics	5	5	7	3	-	20
Mental Ability	2	23	20	5	-	50
Language	30	6	4	-	-	40
Total						180

Physics Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Electricity	3	3	25.0
Magnetic Effect of current & EMI	2	2	16.7
Light	6	6	50.0
Wave Motion of Sound	1	1	8.3
Grand Total			100.0

Chemistry Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Structure of Atom	2	2	18.2
Metals and non metals	3	3	27.3
Periodic Table	1	1	9.1
Chemical Reactions & Equations	2	2	18.2
Acids, Bases and Salts	1	1	9.1
Carbon and its compounds	2	2	18.2
Grand Total			100.0

Biology Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Reproduction	3	3	25.0
Diseases	1	1	8.3
Nutrition	1	1	8.3
Environment	3	3	25.0
Control & Coordination	1	1	8.3
Heredity and variation	2	2	16.7
Transportation	1	1	8.3
Grand Total			100.0

Mathematics Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Number System	1	1	5.0
Polynomial	1	1	5.0
Quadratic Equations	1	1	5.0
Trigonometry	2	2	10.0
Triangles	3	3	15.0
Quadrilateral	1	1	5.0
Surface Area & Volume	2	2	10.0
Circle	3	3	15.0
Linear equation	2	2	10.0
Ap	1	1	5.0
Probability	1	1	5.0
Statistics	2	2	10.0
Grand Total			100.0

Mental Ability Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Number Series	4	4	8.0
Missing term in figure	4	4	8.0
Mathematical operations	1	1	2.0
Coding-Decoding	5	5	10.0
Sitting arrangement	2	2	4.0
Venn Diagram	2	2	4.0
Analogy	4	4	8.0
Puzzle Test	2	2	4.0
Direction Test	1	1	2.0
Calendar	1	1	2.0
Cube Test	2	2	4.0
Dice Test	2	2	4.0
Figure Partition & counting	2	2	4.0
Non-Verbal Classification	6	6	12.0
Alphabet series	5	5	10.0
Mirror + Water Image	2	2	4.0
Paper cutting folding	3	3	6.0
Pyramid	2	2	4.0
Grand Total	50	50	100.0

Social Science

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
History			
imperialism	2	2	5.0
imperialism in Africa	2	2	5.0
reformation	1	1	2.5
Cold war	1	1	2.5
Emancipation Of Asia	1	1	2.5
French revolution	1	1	2.5
Russian Revolution	1	1	2.5
Dictatorship in Europe	1	1	2.5
Civics			
Democracy	2	2	5.0
Political Party	2	2	5.0
Democracy and Diversity	2	2	5.0
Challenges before democracy	2	2	5.0
making of Constitution	1	1	2.5
Fundamental rights and duties	1	1	2.5
Geography			
climate(NCERT)	1	1	2.5
Natural resources	1	1	2.5
Peninsular Plateau region	1	1	2.5
Physical division of India	2	2	5.0
dessert	1	1	2.5
Practical Geography	1	1	2.5
north Indian Plain Central,Eastern and delta	1	1	2.5
north Indian Plain Punjab and Haryana	1	1	2.5
rivers(NCERT)	1	1	2.5
Economics			
Sources of income	1	1	2.5
Public distribution System	2	2	5.0
Inflation	1	1	2.5
Introduction of economy	1	1	2.5
Grand Total			100.0

Language (English)

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Cloze Test	8	8	20.0
Sentence completion (Filler)	8	8	20.0
Parajumbles	4	4	10.0
Reading Comprehension	12	12	30.0
Phrasal Verbs	1	1	2.5
Phrases & Idiom	4	4	10.0
Antonyms	3	3	7.5
Grand Total	40	40	100.0