

NTSE Stage-2, 2012 : 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 13May, 2012. Around 4000 students were appeared for this Exam.

It was conducted in two part

1. Mental Ability Test (MAT)
2. Scholastic Aptitude Test (SAT)

MAT was conducted from 08:30 AM to 10:00AM. SAT was conducted from 11:00AM to 12:30PM.

Overall Marks Distribution of NTSE Stage-2, 2012

Subject	No of Questions	Marks Allocation
Physics	13	13
Chemistry	15	15
Biology	12	12
Social Science	40	40
Mathematics	20	20
Mental Ability	100	100
Total	200	200

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	4
Mathematics	3
Mental Ability	3

Difficulty Level Analysis : No of Questions

Subject	Very Easy	Easy	Moderate	Difficult	Very Difficult	Total
Physics	1	5	4	3		13
Chemistry	1	7	3	3	1	15
Biology		7	4	1		12
Social Science		7	13	15	5	40
Mathematics	2	9	5	4		20
Mental Ability	3	40	42	10	5	100
Total	7	75	71	36	11	200

Physics Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage
Light	2	2	15.4
Electricity	2	2	15.4
Magnetism	1	1	7.7
Pressure & Friction	2	2	15.4
Motion	2	2	15.4
Heat	1	1	7.7
Unverse	1	1	7.7
Rain, Thunder & Lightning	2	2	15.4
Grand Total	13	13	100.0

Chemistry Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage
Acids, Bases and Salts	2	2	13.3
Pollution	1	1	6.7
Synthetic fibre and Plastic	4	4	26.7
Transformation of substances or Physical and chemical changes	2	2	13.3
Combustion & flame	2	2	13.3
Metals & Non Metals	2	2	13.3
Coal & Petroleum	2	2	13.3
Grand Total	15	15	100.0

Biology Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage
Natural Resources	4	4	33.3
Endocrine System	1	1	8.3
Adaptation	1	1	8.3
Crop	1	1	8.3
Reproduction in Plants	1	1	8.3
Reproduction in Animals	1	1	8.3
Transporations	1	1	8.3
Soil	1	1	8.3
Respiration	1	1	8.3
Grand Total	12	12	100.0

Mathematics Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage
Number System	4	4	20.0
Linear equation	1	1	5.0
Percentage	1	1	5.0
Statistics	1	1	5.0
Speed, Distance and Time	1	1	5.0
Profit and Loss	1	1	5.0
Direct & Indirect variation	1	1	5.0
Lines & Angles	1	1	5.0
Triangles	3	3	15.0
Polygon	2	2	10.0
Quadrilateral	1	1	5.0
Coordinate Geometry	1	1	5.0
Mensuration	2	2	10.0
Grand Total	20	20	100.0

Social Science Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage
1. History			
New Kings and Kingdoms	1	1	2.5
Devotional Path to the Divine	2	2	5
Mughal empire	1	1	2.5
The making of Regional Culture	1	1	2.5
Towns, Traders and Craftsperson	1	1	2.5
Tribes, nomads and Settled Communities	1	1	2.5
Delhi Sultanate	1	1	2.5
How, When & Where	1	1	2.5
From Trade to Territory	1	1	2.5
Civilising the native & educating the Nation	1	1	2.5
The changing World Of Visual Arts	1	1	2.5
Colonialism and the story of an imperial City	1	1	2.5
India after independence	1	1	2.5
Indian National Movement	1	1	2.5
2. Civics			
The Indian Constitution	2	2	5
Union Executive & Legislature	6	6	15
Gender & the Role of Women	1	1	2.5
Others	1	1	2.5
3. Geography			
Air	2	2	5
Water	2	2	5
Natural Vegetation & Wild Life	1	1	2.5
Industries	3	3	7.5
Life in Temperate Grasslands	3	3	7.5
Human Resource	1	1	2.5
Human Environment- Settlement, Transport & Communication	1	1	2.5
Environment	1	1	2.5
Others	1	1	2.5
Grand Total	40	40	100

Mental Ability Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage
Number series	5	5	5
Missing terms in figures	3	3	3
Cube test	6	6	6
Miscellaneous	6	6	6
Ranking & Odering Test	14	14	14
Analogy	7	7	7
Direction Sense Test	5	5	5
Classification	1	1	1
Logical Venn Diagram	8	8	8
Coding-Decoding	12	12	12
Mathematical Operations	2	2	2
Completion & Formation of Figure	4	4	4
Non-Verbal Analogy	1	1	1
Dice Test	4	4	4
Non-Verbal Classification	2	2	2
Calendar Test	2	2	2
Statements and Conclusions	5	5	5
Blood Relation	3	3	3
Mirror & water image	6	6	6
Data Sufficient	1	1	1
Puzzle Test	3	3	3
Total	100	100	100