NTSE STAGE-I - 2016

A Detailed Analysis by Resonance

On 18-Dec-2016_NTSE Stage-I (Delhi-2016) was conducted for students of class-X & conducted by Delhi, Dept. of Science & T.V.

NTSE Stage-I (Delhi) 2016 was conducted in three parts, Paper 1(MAT), Paper 2 (LCT) and Paper 3(SAT)). Paper 1 was conducted from 10:00 AM to 10:45 AM and Paper 2 from 10:45 AM to 11:30 AM and Paper 3 (SAT) from 11:30 AM to 01:00 PM. Paper 3 SAT contains 40 questions each from Physics and Chemistry, Biology , 20 questions each from Mathematics and 40 questions each from Social Science ,i.e., History ,Civics, Geography & Economics.

The Analysis below pertains to all Papers, which was for all NTSE Stage-I(Delhi Aspirants).

Overall Analysis

In this analysis we have rated every question on a scale of 1 to 3. The ratings are done by expert faculty of Resonance. The individual ratings are then averaged to calculate overall difficulty level.

- 1: Easy
- 2: Moderate
- 3: Difficult

Subject	Difficulty Level
Physics	1.16
Chemiistry	1.4
Biology	1.4
Mathematics	1.1
Social Science	1.5
MAT	1.14
LCT	0.82
Overall Average	1.21

Difficulty Level Analysis: No of Questions

Subject	Easy Level		Medium Level		Difficult Level	
	No of Questions	Total Marks	No of Questions	Total Marks	No of Questions	Total Marks
Chemistry	05	05	05	05	03	03
Mathematics	11	11	08	08	01	01
Physics	12	12	02	02	00	00
Biology	08	08	05	05	00	00
MAT	07	07	41	41	02	02
Social Science	27	27	08	08	05	05
LCT	35	35	14	14	01	01
Grand Total	105	105	83	83	12	12

Resonance Experts feel that all subjects were of easy and moderate level, while options of two question in MAT (Question no. 39 & 43) contains wrong options & Social Science (Question no. 177) contains more options.

Overall questions in each subject are relatively easy but MAT was relatively moderate in nature and 129 marks are considered as cut off by Resonance Team.

SUBJECT ANALYSIS

Analysis Report_NTSE Stage-I (Year : 2016)_DELHI				
Name of Examination National Talent Search Examination (NTSE-Stage-I)_Delhi	Year : 2016	Max. Marks : 200 No Negative Marking	No. of Que. SAT: 100 MAT: 50 LCT : 50	Duration : 3 Hours

Break Up of Questions			
S.No.	Subject	Year	
		2016	Total
1	Physics	14	14
2	Chemistry	13	13
3	Biology	13	13
5	Mathematics	20	20
6	Mental Ability	50	50
7	Social Science / English	40 / 50	40 / 50
Total Question		200	200

Total Marks	200	200

Subject Wise Analysis

Subject	Physics			
S.No.	Topic	No of Ques.	Total Marks	% weightage
1	Light	3	3	24.99
2	Electricity	1	1	8.33
3	Motion	5	5	41.65
4	Magnetism Effect of Current	3	3	24.99
5	Gravitation			
6	Fluid	1	1	8.33
7	Work, Energy & Power			
8	Sound			
9	Sources of Energy & Nuclear Physics			
10	Force and Laws of Motion	2	2	16.66
11	Miscellaneous			
	Total Number of Questions	14	14	100

Subject Wise Analysis

Subject	Chemistry			
S.No.	Topic	No of Ques.	Total Marks	% weightage
1	Is Matter Around Us Pure	1	1	8.33
2	Mole Concept	7	7	58.31
3	Periodic Table			
4	Atom & Molecules			
5	Chemical Reactions	2	2	16.66
6	Chemical Bonding			
7	Chemical Kinetics			
8	Chemical Equilibrium			
9	Synthetic Fibre & Plastic			
10	Carbon and its compounds	1	1	8.33
11	Structure of Atom			
12	Gaseous State			
13	Acid, Base & Salts	2	2	16.66
14	Metals and Non metals			
15	Coal & Petroleum			
16	Nuclear Chemistry			
	Total Number of Questions	13	13	100

Subject Wise Analysis				
Subject	**Mathematics**			
S.No.	**Topic**	**No of Ques.**	**Total Marks**	**% weightage**
1	**Number System**	4	4	20
2	**Surds and Exponents**	1	1	5
3	**Polynomial**	2	2	10
4	**Linear Equations in two variables**	1	1	5
5	**Quadratic Equations**	1	1	5
6	**Progression**	1	1	5
7	**Trigonometry**	2	2	10
8	**Coordinate Geometry**			
9	**Line and Angles, Triangles**	1	1	5
10	**Quadrilateral**			
11	**Circle**			
12	**Perimeter and Area of Plane Figure**	4	4	20
13	**Surface Area & Volume**	2	2	10
14	**Statistics**			
15	**Probability**			
16	**Commercial Mathematics**	1	1	5
	Total Number of Questions	20	20	100

Subject Wise Analysis				
Subject	**Biology**			
S.No.	**Topic**	**No of Ques.**	**Total Marks**	**% weightage**
1	**Fundamental unit of life (Cell)**			
2	**Tissue**			
3	**Reproduction**	1	1	8.33
4	**Why do we fall ill? (Disease)**	1	1	8.33
5	**Nutrition**	2	2	16.66
6	**Environment**	2	2	16.66
7	**Improvement of Food Resources**			
8	**Excretion**	2	2	16.66
9	**Control & Coordination**	3	3	25
10	**Heredity and evolution**	1	1	8.33
11	**Diversity of Living World**			
12	**Natural Resources**	1	1	8.33

Total Number of Question		13	13	100

Subject Wise Analysis				
Subject	**Social Science**			
S.No.	**Topic**	**No of Ques.**	**Total Marks**	**% weightage**
	History			
1	Nationalism in Europe	1	1	2.5
2	Novels society & History	2	2	5
3	Nazism and the Rise of Hitler	1	1	2.5
4	French revolution	2	2	5
7	Nationalism in India	2	2	5
8	Nationalism Indo China	1	1	2.5
9	Age of industrialisation	1	1	2.5
10	Forest, Society & Colonialism	1	1	2.5
	Civics			
1	Federalism	1	1	2.5
2	Outcomes of Democracy	1	1	2.5
3	Constitutional Design	1	1	2.5
4	Working of Institutions	2	2	5
5	Gender Religion and Caste	1	1	2.5
6	Electoral Politics	1	1	2.5
7	Power Sharing	1	1	2.5
8	Political Parties	1	1	2.5
9	Indian Constitution (Misc.)	1	1	2.5
	Geography			
1	Agriculture			
2	Mineral and Energy Resources	3	3	7.5

3	Physical Divisions of India	2	2	5
4	Drainage	1	1	2.5
5	Forest & wild life resources	2	2	5
6	Climate			
7	India Size & Location	2	2	5
	Economics			
1	Globalisation in Indian Economy	1	1	2.5
2	Sectors Of Indian Economy			
3	Development			
4	Poverty As A Challenge	1	1	2.5
5	Money & Credit	2	2	5
	GK	5	5	12.5
Total Number of Question		40	40	100

Subject Wise Analysis				
Subject	**Mental Ability**			
S.No.	**Topic**	**No of Ques.**	**Total Marks**	**% weightage**
1	**Number Series**	1	1	2
2	**Alphabet Series**	1	1	2
3	**Missing term in figure**	2	2	4
4	**Mathematical operations**	3	3	6
5	**Coding-Decoding**	2	2	4
6	**Sitting arrangement**	3	3	6
7	**Direction Sense**	1	1	2
8	**Ranking & Ordering- Test**	1	1	2
9	**Venn Diagram**	1	1	2
10	**Calendar TEST**			
11	**CLOCK TEST**	2	2	4
12	**Cube**			
13	**Dice Test**	1	1	2
14	**Figure Partition & counting**	1	1	2
15	**Non-Verbal Classification**	1	1	2
16	General Mathematics	25	25	50
17	**Mirror Image & Water Image**	1	1	2
18	**Arithmetic Reasoning**	3	3	6
19	**Blood Relation**	1	1	2
Total Number of Question		50	50	100