

## 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 270 students will be selected for Stage-2 from Madhya Pradesh 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 10:45 AM to 11:30 AM

LCT was conducted from 11:30 AM to 12:15 PM

SAT was conducted from 01:00 PM to 02:30 PM

Overall Marks Distribution of NTSE Stage-I 2014 State : Madhya Pradesh (MP)		
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
<b>Total</b>	<b>180</b>	<b>180</b>

## 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	2

### Difficulty Level Analysis : No of Questions

Subject	Very Easy	Easy	Moderate	Difficult	Very difficult	Total
Physics	10	2				12
Chemistry	1	5	1	4		11
Biology	2	2	5	3		12
Social Science	11	10	9	5		35
Mathematics	5	6	5	4		20
Mental Ability	25	10	10	5		50
Language						40
<b>Total</b>						<b>180</b>

## Physics Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Motion	1	1	7.7
Gravitation	1	1	7.7
Electricity	1	1	7.7
Magnetic Effect of current & EMI	0		0.0
Light	1	1	7.7
Wave Motion of Sound	3	3	23.1
Force Laws of Motion & WEP	4	4	30.8
Fluid & Pressure	0		0.0
Sources of Energy & Nuclear Physics	1	1	7.7
<b>Grand Total</b>			<b>100.0</b>

## 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			0.0
Periodic Table	1	1	7.7
Chemical Reactions & Equations			0.0
Acids, Bases and Salts			0.0
Carbon and its compounds	2	2	15.4
Matter			0.0
Metals n Nonmetals	3	3	
Chemical Compounds	3	3	
Synthetic Compounds	1	1	
<b>Grand Total</b>			<b>100.0</b>

## Biology Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Fundamental unit of life	1	1	7.1
Tissue			0.0
Reproduction			0.0
Diseases			0.0
Nutrition	3	3	0.0
Environment			0.0
Control & Coordination	2	2	14.3
Heredity and variation	2	2	14.3
TRANSPORTATION	1	1	7.1
EXCRETION	1	1	7.1
RESPIRATION	1	1	7.1
EVOLUTION	1	1	7.1
<b>Grand Total</b>			<b>100.0</b>

## Mathematics Analysis

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Number System	8	8	40.0
Polynomial	3	3	15.0
Quadratic Equations			0.0
Trigonometry	2	2	10.0
Triangles			0.0
Quadrilateral	1	1	5.0
Surface Area & Volume			0.0
Circle	2	2	10.0
Combinatory			0.0
Statistics	1	1	
Compound Interest	1	1	
Ratio & Propo	1	1	
Word Prob(Ages)	1	1	
<b>Grand Total</b>			<b>100.0</b>

## 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
Missing term in figure			0.0
Mathematical operations	10	10	20.0
Coding-Decoding	3	3	6.0
Blood Relation	2	2	4.0
Ranking & Odering- Test	3	3	6.0
Venn Diagram	5	5	10.0
Analogy	4	4	8.0
Classification			0.0
Puzzle Test			0.0
Datasufficiency			0.0
Calendar	2	2	4.0
Sylloligsm			0.0
Dice Test			0.0
Figure Partition & counting	5	5	10.0
Clock test	3	3	6.0
Direction test	2	2	4.0
<b>Non-Verbal Classification</b>			
non verbal analogy	5	5	10.0
non verbal series	1	1	2.0
<b>Grand Total</b>	<b>50</b>	<b>50</b>	<b>100.0</b>

## Social Science

Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
<b>History</b>			
HISTORY OF ANCIENT INDIA	5		15.0
MEDIEVAL INDIA	2		6.0
MAJOR EVENTS OF THE POST INDEPENDENT INDIA	2		6.0
CONTRIBUTION OF M.P IN FREEDOM STRUGGLE	1		3.0
<b>Civics</b>			
CONSTITUTIONAL RIGHT	4		12.0
INDIAN CONSTITUTION	4		12.0
Working Of the institution	1		3.0
ELECTION	1		3.0
<b>Geography</b>			
Manufacturing industries	1		3.0
Agriculture	1		3.0
Mineral and Energy Resources	1		3.0
Physical Divisions of India			0.0
Drainage	2		6.0
Climate			0.0
Population	2		6.0
Mineral Resources	1		3.0
Natural Vegetation & Wildlife	1		3.0
industry	1		3.0
<b>Economics</b>			
ECONOMIC SYSTEM	1		3.0
POVERTY	1		3.0
Money & Credit	1		3.0
FOOD SECURITY	1		3.0
DEVELOPMENT	1		3.0
<b>GK</b>			
<b>Grand Total</b>			<b>100.0</b>