

STSE (Junior) 2015

A Detailed Analysis by Resonance

On 1-Nov-2015, STSE (Junior) 2015 was conducted for students of class-X& XII. This is the second edition of this Exams introduced last year by Rajasthan Government.

STSE (Junior) 2015 was conducted in three parts, Paper 1 (MAT), Paper 2 (LCT) and Paper 3 (SAT). Paper 1 was conducted from 9 AM to 9.45 AM and Paper 2 from 10.15 am to 11 am and Paper 3 (SAT) from 11.30 AM to 1 pm. Paper 3 SAT contains 25 questions each from Physics and Chemistry and 20 questions each from Maths and Biology.

The Analysis below pertains to all Papers, which was for all STSE Aspirants.

Overall Analysis

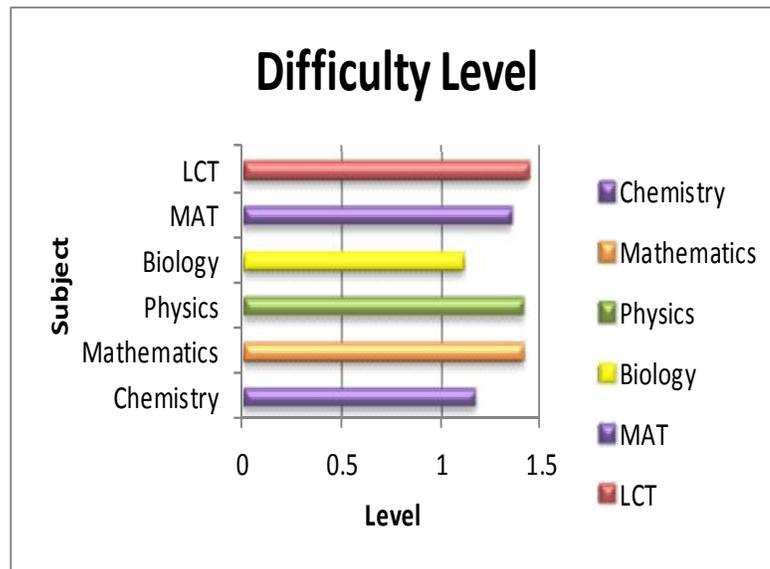
In this analysis we have rated every question on a scale of 1 to 3. The ratings are done by expert faculty of Resonance. The individual ratings are then averaged to calculate overall difficulty level.

• 1: Easy

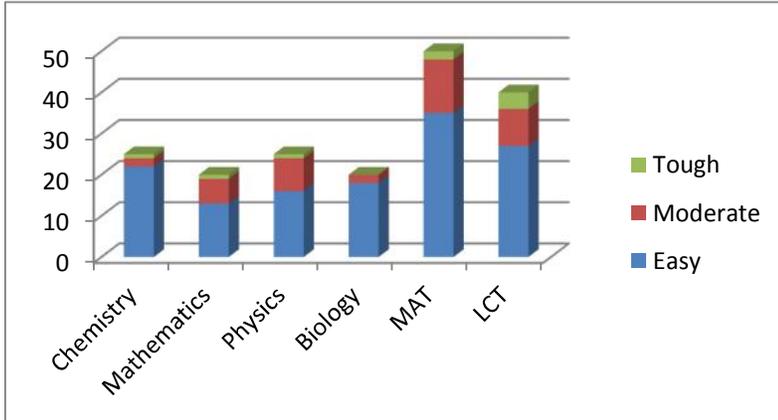
• 2: Moderate

• 3: Difficult

Subject	Difficulty Level
Chemistry	1.16
Mathematics	1.4
Physics	1.4
Biology	1.1
MAT	1.34
LCT	1.43
Overall Average	1.3


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	22	22	2	2	1	1
Mathematics	13	13	6	6	1	1
Physics	16	16	8	8	1	1
Biology	18	18	2	2	0	0
MAT	35	35	13	13	2	2
LCT	27	27	9	9	4	4
Grand Total	131	131	40	40	9	9



Resonance Experts feel that all subjects were of easy and moderate level, while one question in MAT is having typing error (having two options same).

Overall questions in each subject are relatively easy and 168 marks are considered as cut off by Resonance Team.

SUBJECT ANALYSIS

Analysis Report_STSE Stage-I (Year : 2015)_Rajasthan

Name of Examination State Talent Search Examination (STSE) Stage-I	Year : 2015	Max. Marks : 180 No Negative Marking	No. of Que. SAT: 90 MAT: 50 LCT : 40	Duration : 3 Hours
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Break Up of Questions

S.No.	Subject	Year	
		2015	Total
1	Physics	25	25
2	Chemistry	25	25
3	Biology	20	20
5	Mathematics	20	20
6	Mental Ability	50	50
7	English	40	40
Total Question		180	180
Total Marks		180	180

Subject Wise Analysis

Subject	Physics			
S.No.	Topic	No of Ques.	Total Marks	% weightage
1	Light	3	3	12
2	Electricity	3	3	12
3	Motion	4	4	16
4	Magnetism	3	3	12
5	Gravitation			
6	Fluid	2	2	8
7	Work, Energy & Power	4	4	16
8	Sound	2	2	8
9	Sources of Energy & Nuclear Physics	2	2	8
10	Force and Laws of Motion	2	2	8
11	Miscellaneous			
Total Number of Questions		25	25	100

Subject Wise Analysis				
Subject	Chemistry			
S.No.	Topic	No of Ques.	Total Marks	% weightage
1	Matter			
2	Mole Concept			
3	Periodic Table	5	5	20
4	Thermo dynamics			
5	Chemical Reactions	1	1	4
6	Chemical Bonding			
7	Chemical Kinetics			
8	Chemical Equilibrium			
9	Synthetic Fibre & Plastic	1	1	4
10	Carbon and its compounds	4	4	16
11	Structure of Atom	1	1	4
12	Gaseous State			
13	Acid, Base & Salts	7	7	28
14	Metals and Non metals	4	4	16
15	Coal & Petroleum	2	2	8
16	Nuclear Chemistry			
	Total Number of Questions	25	25	100

Subject Wise Analysis				
Subject	Mathematics			
S.No.	Topic	No of Ques.	Total Marks	% weightage
1	Number System	1	1	5
2	Surds and Exponents	1	1	5
3	Polynomial	1	1	5
4	Linear Equations in two variables	1	1	5
5	Quadratic Equations	1	1	5
6	Progression	1	1	5
7	Trigonometry	3	3	15
8	Coordinate Geometry	1	1	5
9	Line and Angles, Triangles	3	3	15
10	Quadrilateral			

11	Circle	1	1	5
12	Perimeter and Area of Plane Figure	1	1	5
13	Surface Area & Volume	2	2	10
14	Statistics	2	2	10
15	Probability	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)	1	1	5
2	Tissue	1	1	5
3	Reproduction	2	2	10
4	Why do we fall ill?	2	2	10
5	Nutrition	2	2	10
6	Environment	1	1	5
7	Improvement of Food Resources	3	3	15
8	Respiration	1	1	5
9	Control & Coordination	2	2	10
10	Heredity and evolution	1	1	5
11	Diversity of Living World	2	2	10
12	Natural Resources	2	2	10
Total Number of Question		20	20	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	Letter Repeating Series			0
4	Missing term in figure	2	2	4
5	Mathematical operations	2	2	4
6	Coding-Decoding	2	2	4

7	Sitting arrangement			0
8	Direction Sense	2	2	4
9	Alphabet test	2	2	4
10	Ranking & Ordering- Test	2	2	4
11	Blood Relations	2	2	4
12	Venn Diagram	3	3	6
13	Analogy	3	3	6
14	Classification	2	2	4
15	Logical Sequencing of Words	2	2	4
16	pyramid Test			0
17	Calendar TEST			0
18	CLOCK TEST			0
19	Cube	1	1	2
20	Dice Test	2	2	4
21	Paper Folding & Paper Cutting			0
22	Figure Partition & counting	7	7	14
23	Non-Verbal Series	2	2	4
24	Non-Verbal Analogy	2	2	4
25	Non-Verbal Classification	1	1	2
26	Syllogism			0
27	Decision Making	3	3	6
28	State ment& Assumption			0
29	Dot Situation	1	1	2
30	Mirron Image & Water Image	4	4	8
31	Arithmetical Reasoning	1	1	2
Total Number of Question		50	50	100

Subject Wise Analysis

Subject	English (LCT)			
S.No.	Topic	No of Ques.	Total Marks	% weightage
1	Tenses	6	6	15
2	Prepositions	4	4	10
3	Reported Speech	2	2	5
4	S.V.A.	6	6	15
5	Jumbled Words	2	2	5
6	Tag Questions	2	2	5
7	Conjunction	4	4	10

8	Phrasal Verbs	4	4	10
9	Sentence Correction	1	1	2.5
10	Joining Sentences	2	2	5
11	Punctuation Error	2	2	5
12	Modal	4	4	10
13	Active and Passive Voice	1	1	2.5
Total Number of Question		40	40	100