

State Talent Search Examination (STSE) – 2018 Class-10th **A Detailed Analysis by Resonance**

“Board of secondary education of Rajasthan” (BSER) has conducted the **State Talent Search Examination (STSE)** on **18th November, 2018**. STSE is a state level examination cum scholarship program. The purpose of the exam is to identify the talented students and nurture their talent.

Eligibility: As per the eligibility criteria of STSE 2018, All the students of Class 10th & 12th studying in recognized schools who have secured minimum 50% marks in class 9th & 11th are eligible to appear for this examination

Pattern/ Syllabus: The examination consists of three tests:

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

Mental Ability Test (MAT) Syllabus:

This test is given to judge the power of reasoning, to evaluate and discriminate the ability of thinking, judging and visualizing etc. A variety of questions, for example - analogies, classification, series, pattern perception, hidden figures, coding decoding, block assembly, problem solving, etc. are used for this purpose.

Language Test (LCT) Syllabus

Language Test is designed to judge the power of reading comprehension, logical sequencing, and interpretative, evaluative, predictive and creative components of language.

Scholastic Aptitude Test (SAT) Syllabus (Math's, Science)

This section is conducted to judge that how much of text-book knowledge you have gained. This section comprise of multiple choice questions based on Math's & Science of class IX & X syllabus.

Question Paper: The medium of test is English and Hindi languages and it comprised of 180 questions. The students have to select and mark one right answer from the given options. Each right answer carries one point, thus making the total score of the candidate in a test is equal to the number of questions answered correctly.

Merit Clause: All the students who achieve requisite scores at this level automatically qualify for scholarships that are handed over by BOARD of SECONDARY EDUCATION, RAJASTHAN.

OVERALL MARKS DISTRIBUTION

The STSE 2018 Exam Pattern was an objective type test based on paper-pen format.

Test	No. Of Questions	Maximum Marks	Time Allotted
MAT	50 Questions	50 Marks	45 minutes
SAT - Language Test	40 Questions	40 Marks	45 minutes
SAT –Math’s & Science	90 Questions	90 Marks	90 minutes

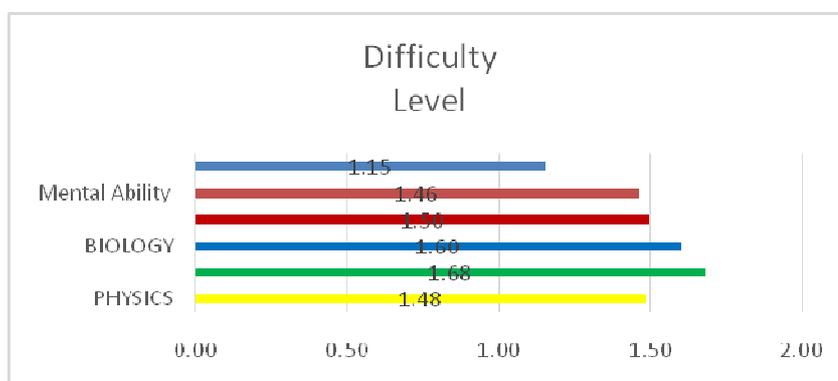
Subject	Class 9		Class 10		Total	
	No of Questions	Total Marks	No of Questions	Total Marks	No of Questions	Total Marks
PHYSICS	13	13	12	12	25	25
CHEMISTRY	10	10	15	15	25	25
BIOLOGY	1	1	19	19	20	20
MATHS		0	20	20	20	20
Mental Ability		0	50	50	50	50
English		0	40	40	40	40
Grand Total	24	24	156	156	180	180

OVERALL DIFFICULTY LEVEL 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 averaged to calculate overall difficulty level.

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

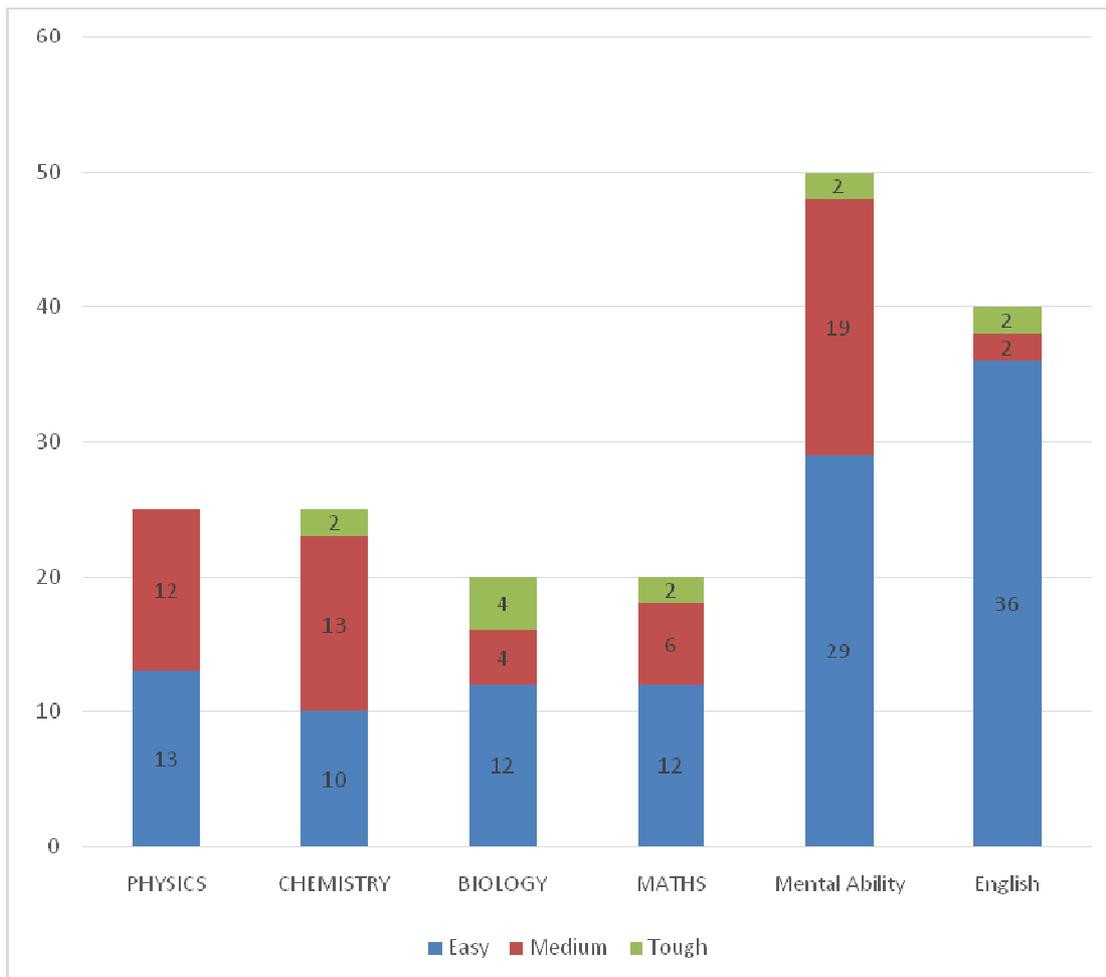
Subject	Difficulty Level
PHYSICS	1.48
CHEMISTRY	1.68
BIOLOGY	1.60
MATHS	1.50
Mental Ability	1.46
English	1.15
Grand Total	1.44



Difficulty Level Analysis: No of Questions

Subject	Easy Level		Medium Level		Difficult Level		Total	
	No of Questions	Total Marks						
PHYSICS	13	13	12	12		0	25	25
CHEMISTRY	10	10	13	13	2	2	25	25
BIOLOGY	12	12	4	4	4	4	20	20
MATHS	12	12	6	6	2	2	20	20
Mental Ability	29	29	19	19	2	2	50	50
English	36	36	2	2	2	2	40	40
Grand Total	112	112	56	56	12	12	180	180

Question Wise Difficulty Breakup



SUBJECT WISE ANALYSIS

Biology ANALYSIS

Biology			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Biology	20	20	100.00%
BIO DIVERSITY	1	1	5.00%
PLANT DIVERSITY	1	1	5.00%
BIO DIVERSITY AND ITS CONSERVATION	5	5	25.00%
5 KINGDOM CLASSIFICATION	1	1	5.00%
ANIMAL KINGDOM	2	2	10.00%
PLANT KINGDOM	1	1	5.00%
(blank)	1	1	5.00%
CELL	1	1	5.00%
CELL DIVISION	1	1	5.00%
DIESES	2	2	10.00%
PLANT DIESES	1	1	5.00%
PROTOZONS DIESES	1	1	5.00%
DIVERSITY	2	2	10.00%
ANIMAL KINGDOM	2	2	10.00%
ECONOMICS IMPORTANTS OF PLANTS & ANIMALS	2	2	10.00%
MEDICINAL PLANTS	2	2	10.00%
FOOD AND HUMAN HEALTH	1	1	5.00%
VITAMIN	1	1	5.00%
GENETICS	1	1	5.00%
MENDEL'S LAW	1	1	5.00%
HUMAN SYSTEM	3	3	15.00%
DIGESTION	1	1	5.00%
ENDOCRINE GLANDS	2	2	10.00%
IMMUNITY & BLOOD GROUPS	1	1	5.00%
TYPES OF ANTIBODY	1	1	5.00%
TISSUE	1	1	5.00%
PLANT TISSUE	1	1	5.00%
Grand Total	20	20	100.00%

Chemistry ANALYSIS

Chemistry			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
CHEMISTRY	25	25	100.00%
ATOMIC STRUCTURE	4	4	16.00%
ATOMIC STRUCTURE	4	4	16.00%
ATOMIC THEORY & PERIODIC CLASSIFICATION & PROPERTIES OF ELEMENTS	4	4	16.00%
ATOMIC THEORY & PERIODIC CLASSIFICATION & PROPERTIES OF ELEMENTS	4	4	16.00%
BHARAT & SCIENCE	1	1	4.00%
BHARAT & SCIENCE	1	1	4.00%
CARBON AND ITS COMPOUNDS	4	4	16.00%
CARBON AND ITS COMPOUNDS	4	4	16.00%
CHEMICAL BOND & CHEMICAL EQUATION	3	3	12.00%
CHEMICAL BOND & CHEMICAL EQUATION	3	3	12.00%
CHEMICAL REACTION & CATALYST	1	1	4.00%
CHEMICAL REACTION & CATALYST	1	1	4.00%
CHEMISTRY IN EVERYDAY LIFE	5	5	20.00%
CHEMISTRY IN EVERYDAY LIFE	5	5	20.00%
NUCLEAR CHEMISTRY	1	1	4.00%
NUCLEAR CHEMISTRY	1	1	4.00%
STRUCTURE OF MATTER & MOLECULES	2	2	8.00%
STRUCTURE OF MATTER & MOLECULES	2	2	8.00%
Grand Total	25	25	100.00%

Physics ANALYSIS

Physics			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
PHYSICS	25	25	100.00%
ELECTRICITY	5	5	20.00%
ELECTRICITY	5	5	20.00%
FLUID	1	1	4.00%
FLUID	1	1	4.00%
FRICTION	1	1	4.00%
FRICTION	1	1	4.00%
GRAVITATION	4	4	16.00%
GRAVITATION	4	4	16.00%
HUMAN EYE	2	2	8.00%
HUMAN EYE	2	2	8.00%

LIGHT	3	3	12.00%
LIGHT	3	3	12.00%
MEGNETISM	1	1	4.00%
MEGNETISM	1	1	4.00%
MOTION	1	1	4.00%
MOTION	1	1	4.00%
NLM	4	4	16.00%
NLM	4	4	16.00%
VECTOR	1	1	4.00%
VECTOR	1	1	4.00%
WPE	2	2	8.00%
WPE	2	2	8.00%
Grand Total	25	25	100.00%

Mathematics ANALYSIS

Mathematics			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Mathematics	20	20	100.00%
AREA RELATED CIRCLE	2	2	10.00%
AREA RELATED CIRCLE	2	2	10.00%
ARITHMATIC OPERATION	1	1	5.00%
ARITHMATIC OPERATION	1	1	5.00%
CIRCLE	1	1	5.00%
CIRCLE	1	1	5.00%
CO-ORDINATE GEOMETRY	1	1	5.00%
CO-ORDINATE GEOMETRY	1	1	5.00%
HEIGHT & DISTANCE	1	1	5.00%
HEIGHT & DISTANCE	1	1	5.00%
MENSURATION	1	1	5.00%
MENSURATION	1	1	5.00%
NUMBER SYSTEM	2	2	10.00%
NUMBER SYSTEM	2	2	10.00%
POLYNOMIALS	1	1	5.00%
POLYNOMIALS	1	1	5.00%
PROBABILITY	1	1	5.00%
PROBABILITY	1	1	5.00%
QUADRATIC EQUATION	2	2	10.00%
QUADRATIC EQUATION	2	2	10.00%
REAL NUMBER	1	1	5.00%
REAL NUMBER	1	1	5.00%

STATISTICS	1	1	5.00%
STATISTICS	1	1	5.00%
TRIANGLES	2	2	10.00%
TRIANGLES	2	2	10.00%
TRIGNOMETRY	2	2	10.00%
TRIGNOMETRY	2	2	10.00%
VEDIC MATHS	1	1	5.00%
VEDIC MATHS	1	1	5.00%
Grand Total	20	20	100.00%

Mental Ability ANALYSIS

Mental Ability			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
Mental Ability	50	50	100.00%
ANALOGY	4	4	8.00%
ANALOGY	4	4	8.00%
ARITHMATIC REASONING	1	1	2.00%
ARITHMATIC REASONING	1	1	2.00%
BLOOD RELATION	1	1	2.00%
BLOOD RELATION	1	1	2.00%
BLOOD RELATION TEST	2	2	4.00%
BLOOD RELATION TEST	2	2	4.00%
CALENDER TEST	2	2	4.00%
CALENDER TEST	2	2	4.00%
CLASSIFICATION	3	3	6.00%
CLASSIFICATION	3	3	6.00%
CODING DECODING	4	4	8.00%
CODING DECODING	4	4	8.00%
Dice	1	1	2.00%
EASY	1	1	2.00%
DIRECTION SENCE TEST	2	2	4.00%
DIRECTION SENCE TEST	2	2	4.00%
FIGURE EMBEDDED	2	2	4.00%
FIGURE EMBEDDED	2	2	4.00%
FIGURE PARTITION COUNTING	5	5	10.00%
FIGURE PARTITION COUNTING	5	5	10.00%
MATHEMATICAL OPERATION	4	4	8.00%
MATHEMATICAL OPERATION	4	4	8.00%
MIRROR & WATER IMAGE	2	2	4.00%

MIRROR & WATER IMAGE	2	2	4.00%
MISSING TERMS IN FIGURE	2	2	4.00%
MISSING TERMS IN FIGURE	2	2	4.00%
NON VERBAL CLASSIFICATION	1	1	2.00%
NON VERBAL CLASSIFICATION	1	1	2.00%
NON VERBAL SERIES	4	4	8.00%
NON VERBAL SERIES	4	4	8.00%
NUMBER QUIBBLE (RANKING AND ORDERING TEST)	1	1	2.00%
NUMBER QUIBBLE (RANKING AND ORDERING TEST)	1	1	2.00%
NUMBER SERIES	3	3	6.00%
NUMBER SERIES	3	3	6.00%
PAPER CUTTING & FOLDING	2	2	4.00%
PAPER CUTTING & FOLDING	2	2	4.00%
RANKING & ORDERING	1	1	2.00%
RANKING & ORDERING	1	1	2.00%
VENN DIAGRAM	3	3	6.00%
VENN DIAGRAM	3	3	6.00%
Grand Total	50	50	100.00%

English ANALYSIS

English			
UNIT & TOPIC NAME	NO OF QUESTIONS	TOTAL MARKS	(%) WEIGHTAGE
English	40	40	100.00%
Active & Passive Voice	1	1	2.50%
Active & Passive Voice	1	1	2.50%
Antonym	1	1	2.50%
Antonym	1	1	2.50%
Article	1	1	2.50%
Article	1	1	2.50%
Connectors	4	4	10.00%
Connectors	4	4	10.00%
Correct form of the verb	3	3	7.50%
Correct form of the verb	3	3	7.50%
Correct order of sentence	2	2	5.00%
Correct order of sentence	2	2	5.00%
Fill of ers	6	6	15.00%
Fill of ers	6	6	15.00%
framing questions	1	1	2.50%
framing questions	1	1	2.50%
Modals	2	2	5.00%

Modals	2	2	5.00%
Para jumbles	2	2	5.00%
Para jumbles	2	2	5.00%
Part of Speech	2	2	5.00%
Part of Speech	2	2	5.00%
Phrasal verb	2	2	5.00%
Phrasal verb	2	2	5.00%
Punctuations	1	1	2.50%
Punctuations	1	1	2.50%
Question tag	1	1	2.50%
Question tag	1	1	2.50%
Relative Pronoun	2	2	5.00%
Relative Pronoun	2	2	5.00%
Reported Speech	2	2	5.00%
Reported Speech	2	2	5.00%
Synonym	4	4	10.00%
Synonym	4	4	10.00%
vocabulary	3	3	7.50%
vocabulary	3	3	7.50%
Grand Total	40	40	100.00%