



STATE TALENT SEARCH EXAMINATION : 2016

STSE (Class - X)

ANALYSIS

Overall Marks Distribution of STSE - 2016 Date : 27-11-2016 (Class-X) Code - S		
Subjects	No. of Questions	Marks allocation
Physics	25	25
Chemistry	25	25
Biology	20	20
Mathematics	20	20
Mental Ability	50	50
Language Test	40	40
Total	180	180

Difficulty Level Analysis : No of Questions						
Subject	Very Easy	Easy	Moderate	Difficult	Very difficult	Total
Physics	13	9	3	0	0	25
Chemistry	7	11	7	0	0	25
Biology	6	8	6	0	0	20
Mathematics	6	9	5	0	0	20
Mental Ability	24	24	2	0	0	50
Language	22	15	3	0	0	40
Total	78	76	26	0	0	180

Mental Ability Analysis			
Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Number Series	1	1	2.0
Alphabet Series	1	1	2.0
Missing Terms in Figure	3	3	6.0
Mathematical Operations	2	2	4.0
Alphabet Test	3	3	6.0
Direction Sense Test	2	2	4.0
Coding-Decoding	2	2	4.0
Blood Relation	2	2	4.0
Ranking & Odering- Test	2	2	4.0
Venn Diagram	1	1	2.0
Classification	4	4	8.0
Arithmetical Reasoning	6	6	12.0
Analogy	3	3	6.0
Calendar	1	1	2.0
Dice Test	2	2	4.0
Logical Sequence of words	2	2	4.0
Figure Partition & counting	2	2	4.0
Figure Completion	3	3	6.0
Non-Verbal Classification	2	2	4.0
Non-Verbal Series	1	1	2.0
Non-Verbal Analogy	2	2	4.0
Mirror image	1	1	2.0
Water Image	2	2	4.0
Grand Total	50	50	100.0

Expert Opinion: Paper covers most of the topics of Mental Ability. 13 questions were from non-verbal, remaining 37 were from verbal, out of which 6 are from Arithmetical reasoning. None of the question was time consuming. Most of the questions were based

Language Comprehensive Test (English) Analysis			
Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Tense	3	3	7.5
Subject Verb Concord	4	4	10.0
Narration	2	2	5.0
Passive Voice	2	2	5.0
Modals	4	4	10.0
Determiners	2	2	5.0
Question Tag	2	2	5.0
Conditional	1	1	2.5
Prepositions	2	2	5.0
Pronoun	1	1	2.5
Connectors	3	3	7.5
Question Formation	1	1	2.5
Punctuation	2	2	5.0
Non-finite	2	2	5.0
Spelling	2	2	5.0
Antonyms	1	1	2.5
Synonyms	1	1	2.5
Synthesis	1	1	2.5
Jumbled Words	1	1	2.5
Phrasal Verbs	2	2	5.0
Comparision	1	1	2.5
Grand Total	40	40	100.0

Expert Opinion: 3 questions are difficult where 15 easy and 22 are very easy. Overall the paper is easy.

Physics Analysis			
Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Motion	2	2	8.0
Gravitation	4	4	16.0
Electricity	3	3	12.0
Magnetic Effect of current & EMI	2	2	8.0
Light	3	3	12.0
Wave Motion of Sound	2	2	8.0
Force Laws of Motion & WEP	5	5	20.0
Fluid & Pressure	1	1	4.0
Sources of Energy & Nuclear Physics	3	3	12.0
Grand Total	25	25	100.0
<p>Expert Opinion: Overall the paper was easy. Some questions required calculations otherwise paper can be solved by the knowledge of merely data.</p>			

Chemistry Analysis			
Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Structure of Atom	3	3	12.0
Mole Concept	3	3	12.0
Periodic Table	3	3	12.0
Metals & Non-Metals	5	5	20.0
Acids, Bases and Salts	2	2	8.0
Carbon and its Compounds	3	3	12.0
Chemical reaction & Equation	2	2	8.0
Matter	4	4	16.0
Grand Total	25	25	100.0

Expert Opinion: Level of questions is very easy. All the questions are from NCERT Book of Class IX & X. No tricky question was asked. Maximum questions are memory based and conceptual.

Biology Analysis			
Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Fundamental unit of life	4	4	20.0
Disease	1	1	5.0
Diversity	2	2	10.0
Transportation	1	1	5.0
Environment	2	2	10.0
Control & Coordination	6	6	30.0
Respiration	1	1	5.0
Nutrition	1	1	5.0
Excretion	1	1	5.0
Crop Production	1	1	5.0
Grand Total	20	20	100.0
<p>Expert Opinion: Paper was very simple involving mostly direct questions from NCERT text book of Class IX & X.</p>			

Mathematics Analysis			
Topic wise Allocation of Marks			
Subject / Topic	No. of Questions	Total Marks	Weightage in %
Number System	1	1	5.0
Polynomial	1	1	5.0
Trigonometry	4	4	20.0
Triangles	4	4	20.0
Quadrilateral	2	2	10.0
Mensuration	3	3	15.0
Circle	2	2	10.0
Arithmetic Progression	1	1	5.0
Quadratic Equation	1	1	5.0
Coordinate Geometry	1	1	5.0
Grand Total	20	20	100.0

Expert Opinion: Most of the questions asked from Trigonometry and Geometry. The level of questions was easy. If a student has gone through NCERT, then he can score full marks in mathematics.