

## SYLLABUS OF MAT

Test No	Test Name	Test date	Class	MENTAL ABILITY
1	Review Test -1	05/07/2020	9	Verbal & Non Verbal Series, Logical sequence of Words, Verbal & Non Verbal Analogy ,Coding & Decoding, Verbal & Non-Verbal Classification
2	Review Test -2	02/08/2020	9	Logical Venn Diagram, Mathematical Operation, Direction Sense Test, Alphabet Test, PuzzleTest, Analytical Reasoning, Mirror image, Water image
3	Minor Test-1	16/08/2020	10	Number, Ranking & Ordering Test, Alpha- Numeric Sequence Puzzle, Inserting the missing Character, Arithmetical Reasoning , Spotting Out the Embedded Figure,Completion of incomplete Pattern,Figure Matrix, Paper Folding & Paper Cutting
4	Minor Test-2	30/08/2020	10	Blood Relation, Data Sufficiency, Dice & Cube, Dot Situation, Grouping of identical figure, Constrution of Shapes ,Statement and Conclusion
5	Minor Test-3	13/09/2020	10	Calender, Sequential Output Tracing, Arithmetical Reasoning , Verbal & Non Verbal Series, Coding & Decoding
6	Minor Test-4	27/09/2020	10	Clock, Verbal & Non Verbal Analogy, Verbal & Non-Verbal Classification, Logical Venn Diagram, Puzzle Test
7	Mock Test -1	11/10/2020	9 & 10	Full Syllabus
8	Mock Test -2	25/10/2020	9 & 10	Full Syllabus

## SYLLABUS OF SAT

Test No	Test Name	Test date	Class	PHYSICS	CHEMISTRY	BIOLOGY	MATHS	SOCIAL SCIENCE
1	Review Test -1	05/07/2020	9	Motion, Force and NLM, Gravitation	Matter in our surroundings, Is matter around us pure	Cell , Improvement in food resources, Tissues	Number System, Polynomials, Coordinate Geometry, Linear Equation in Two Variables, Introduction to Euclid's geometry, Lines and angles, Triangles, Heron's formula	History - Pre history and Bronze Age Civilization, Early Iron Age Societies, the Medieval World, Beginning of Modern Age , The First World War, The World from 199 A.D to the Second World War, The World after Second World War, Indian Awakening, India's struggle for Freedom, Civics- Man, a social being, Government, Forms of Government, Local Government- Rural & Urban, India as a nation, Environmental values and ethics.
2	Review Test -2	02/08/2020	9	Fluid mechanics, Work Power & Energy , Sound	Atoms and molecules, Structure of atom	Diversity in living organism, Why do we fall ill, Natural resources	Quadrilaterals, Areas of Parallelograms and Triangles, Circles, Constructions, Surface Areas and Volumes, Statistics, Probability	Geography- Ecosystem and its types, Terrestrial- Ecosystem and its changing form, Factors affecting terrestrial Ecosystem and External Forces, Factors affecting terrestrial ecosystem and internal forces, Aquatic Ecosystem, Atmospheric- Ecosystem and Biospheric Ecosystem, Factors affecting humidity of the atmosphere, Introduction of National Resources as a whole, Depletion of land resources and their conservation, Exhaustible Minerals and Power resources and their conservation; Protection and their alternative, Human resources and their impact on ecosystem, World- Natural Regions, Disaster Management. Economics: Basic concepts, Economy-An introduction an types, An overview of the Indian Economy .
3	Minor Test-1	16/08/2020	10	Electricity	Chemical reactions and Chemical equations , Acids , bases and salts	Nutrition, Respiration, Excretion	Real Numbers, Polynomials, Pair Of Linear Equations in Two Variables	History: Physical features of Punjab and their influence on its history. Political and social conditions of Punjab before Guru Nanak Dev Ji. Guru Nanak Dev ji and his teachings. Contribution of Sikh gurus from Guru Angad Dev ji to Guru Teg Bahadur Ji. Guru Gobind Singh Ji. Banda Bahadur and Sikh Misls. Ranjit Singh, Anglo Sikh wars, Punjab's contribution towards struggle for freedom.
4	Minor Test-2	30/08/2020	10	Magnetic Effects of Electric current	Metals and Non-metals	Transportation, Control and coordination	Quadratic Equations, Arithmetic Progressions, Triangles,Construction	Civics: Features of Indian Constitution, The Central and State Governments, Indian democracy at work, India's foreign policy.
5	Minor Test-3	13/09/2020	10	Light	Periodic classification of elements	Reproduction, Heredity and Evolution	Coordinate Geometry, Introduction to trigonometry, Some applications of Trigonometry, Circles	Geography: India: Size & Location, Physical divisions of India, Drainage, Climate, Natural Vegetation and Wildlife, Agriculture, Water Resources, Minerals and Energy Resources, Manufacturing Industries,Lifelines of National Economy, Population.
6	Minor Test-4	27/09/2020	10	Sources of energy Heat	Carbon and its compounds	Our environment , Management of natural resources	Area related to circles, Surface Area and Volume, Statistics, Probability	Economics: Basic Concepts, Economic Infrastructure, Agricultural Development in India, Industrial Development in India, India's Foreign Trade, Economic Planning in India.
7	Mock Test -1	11/10/2020	9 & 10	Full syllabus	Full syllabus	Full syllabus	Full syllabus	Full syllabus
8	Mock Test -2	25/10/2020	9 & 10	Full syllabus	Full syllabus	Full syllabus	Full syllabus	Full syllabus

## NTSE PAPER PATTERN AND MARKING SCHEME

PAPER	TEST	NUMBER OF QUESTIONS	QUESTION NUMBERING	MARKS	TIME DURATION	REMARKS
PAPER -1	MENTAL ABILITY TEST (MAT)	100	Q.1 - Q.100	100	120 Min	NO NEGATIVE MARKING IN BOTH PAPERS
PAPER -2	SCHOLASTIC APTITUDE TEST (SAT)	100	Phy. Q.1 - Q.14 Chem. Q.15 - Q.27 Bio. Q.28 - Q.40 Maths. Q.41 - Q.60 SST - Q.61 - Q.100	100	120 Min	