

### SYLLABUS OF MAT

Test No	Test Name	Test date	Class	MENTAL ABILITY
1	Minor Test-1	17/7/2022	9	Verbal & Non Verbal Series, Verbal & Non Verbal Analogy, Verbal & Non-Verbal Classification
2	Minor Test-2	14/8/2022	9	Logical Venn Diagram, Mathematical Operation, Direction Sense Test, Alphabet Test, Mirror image, Water image
3	Minor Test-3	11/9/2022	9	Number, Ranking & Time sequence Test, Alpha- Numeric Sequence Puzzle, Spotting Out the Embedded Figure, Completion of incomplete Pattern
4	Minor Test-4	9/10/2022	9	Blood Relation, Dice & Cube, Dot Situation, Figure Matrix, Figure Formation & Grouping of identical figure, Statement conclusion
5	Minor Test-5	13/11/2022	9	Coding & Decoding, PuzzleTest, Analytical Reasoning, Logical sequence of Words, Paper Folding & Paper Cutting
6	Minor Test-6	27/11/2022	9	Inserting the missing Character, Arithmetical Reasoning, Dice & Cube, Dot Situation, Logical Venn Diagram, Completion of incomplete Pattern
7	Major Test-1	25/12/2022	9	Full syllabus
8	Major Test-2	22/01/2023	9	Full syllabus

### SYLLABUS OF SAT

Test No	Test Name	Test date	Class	PHYSICS	CHEMISTRY	BIOLOGY	MATHS	SOCIAL SCIENCE
1	Minor Test-1	17/7/2022	9	Motion (Rest & Motion, Types of motion, Scalar & Vector Quantities, Distance & Displacement, Speed, Velocity, Uniform & Non-uniform Motion, Acceleration, Equations of Motion, Equations of Motion for Free Falling Body, Graphs in Motion & Their Significance, Graphs of Motion Under Gravity)	Matter -Nature And Behaviour	Fundamental unit of life:Cell	History of Mathematics, Real Numbers, Exponent, Polynomials	Cartography and Study of Maps, India- An Introduction, India's Climate
2	Minor Test-2	14/8/2022	9	Motion (Circular Motion), Force and NLM (Force, Kinds of Force, Balanced & Unbalanced Force, Net Force, Inertia, Newton's First Law of Motion, Linear Momentum, Newton's Second Law of Motion & Its Applications, Impulse)	Structure Of Atom	Multicellular structure:Tissue,Our health	Linear Equation in one Variable, Playing with Numbers,	The Rivers of India and their Drainage System,Natural Vegetation and Communities Dependent on Forests
3	Minor Test-3	11/9/2022	9	Force and NLM (Newton's Third Law of Motion, Conservation of Momentum, Tension in strings, Motion of Bodies Connected by Strings, Motion of Bodies Connected by String Passing Over Pulley, Motion of Bodies in Contact, Weight of an Object in a Lift, Friction, Static Friction, Kinetic Friction, Rolling Friction, Fluid Friction, Friction is a Necessary Evil, Increasing & Decreasing Friction)	Chemical Bonding, Chemical Reaction And Equation,Chemical Formula And Mole Concept	Our health	Comparing Quantity, Trigonometry Ratio & Identities	The Dawn of Modern Culture in Europe and India The Early-Modern Age (1300 –1800 CE),The Reformation and the Enlightenment (1300–1800 CE)
4	Minor Test-4	9/10/2022	9	Gravitation	Coal, Petroleum And Petrochemicals, Hydrocarbons	Biodiversity and classification	Straight line & Angle , Congruency of Triangles,	Democratic and Nationalist Revolutions (1600-1900 CE) ,The Industrial Revolution and Social Change (1750-1900), Colonialism
5	Minor Test-5	13/11/2022	9	Work, Energy, Power	Chemical Bonding, Hydrocarbons	Habitat,Waste and its management	Quadrilaterals, Transformation & Symmetry in Geometrical Shapes	The Idea of Democracy and its Spread,The Main Features of democracy , Rights , Gender Equality and Women's Rights
6	Minor Test-6	27/11/2022	9	Sound	Structure Of Atom, Mole Concept	Fundamental unit of life:Cell, Biodiversity and classification	Geometrical Constructions, Sector of a Circle & Length of Arc, Cube and Cuboid, Data Handling & Analysis	Understanding Economic Activities, The Nature of the Indian Economy , How does Production take Place?
7	Major Test-1	25/12/2022	9	Full syllabus	Full Syllabus	Full syllabus	Full syllabus	Full syllabus
8	Major Test-2	22/01/2023	9	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	<b>NO NEGATIVE MARKING IN BOTH PAPERS</b>
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	