

SYLLABUS OF MAT

Test No	Test Name	Test date	Class	MENTAL ABILITY
1	Review Test -1	17/07/2022	9	Verbal & Non Verbal Series, Logical sequence of Words, Verbal & Non Verbal Analogy, Coding & Decoding, Verbal & Non-Verbal Classification
2	Review Test -2	31/07/2022	9	Logical Venn Diagram, Mathematical Operation, Direction Sense Test, Alphabet Test, Puzzle Test, Analytical Reasoning, Mirror image, Water image
3	Minor Test-1	14/08/2022	10	Number, Ranking & Time sequence Test, Alpha- Numeric Sequence Puzzle, Inserting the missing Character, Arithmetical Reasoning, Spotting Out the Embedded Figure, Completion of incomplete Pattern, Paper Folding & Paper Cutting
4	Minor Test-2	28/08/2022	10	Blood Relation, Data Sufficiency, Dice & Cube, Dot Situation, Figure Matrix, Figure formation, Grouping of identical figure, Construction of Shapes
5	Minor Test-3	11/09/2022	10	Calender, Sequential Output Tracing, Verbal & Non Verbal Series, Coding & Decoding, Statement conclusions
6	Minor Test-4	25/09/2022	10	Clock, Verbal & Non Verbal Analogy, Verbal & Non-Verbal Classification, Logical Venn Diagram, Puzzle Test
7	Major Test -1	09/10/2022	9 & 10	Full Syllabus
8	Major Test -2	30/10/2022	9 & 10	Full Syllabus

SYLLABUS OF SAT

Test No	Test Name	Test date	Class	PHYSICS	CHEMISTRY	BIOLOGY	MATHS	SOCIAL SCIENCE
1	Review Test -1	17/07/2022	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: Punjab: Physical features & its Impact, Guru Nanak Ji and Contemporary Society, Development of Sikh Religion (1539-1581 CE), Shri Guru Arjun Dev Ji- Contribution in Development of Sikhism and his Martyrdom, The French Revolution, Russian Revolution, Forest Society and Colonialism, Social History of Clothing. Civics: History, Development & expansion of Modern Democracy, Democracy: Meaning & Importance, Establishment of Indian Democracy & its Nature
2	Review Test -2	31/07/2022	9	Thrust and Pressure, Work, Energy, Power; 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	India's Parliamentary Democracy, Democracy & Election Process, Fundamental Rights of the Citizens. Geography- India- Size & Location, Punjab- Size and Location, India- Physiographic Units, Punjab- Physical Features, India- Drainage, Punjab-Drainage, Climate, Natural Vegetation and Wildlife, Population. Economics: Story of a Village, Human Resources, Poverty: Challenge facing India, Food Security in India.
3	Minor Test-1	14/08/2022	10	Electricity	Chemical Reactions And 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	28/08/2022	10	Magnetic effect 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	11/09/2022	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	25/09/2022	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 of the Indian Economy, Agricultural Development in India, Industrial Development in India, India's Foreign Trade, Economic Planning in India.
7	Major Test -1	09/10/2022	9 & 10	Full syllabus	Full Syllabus	Full syllabus	Full syllabus	Full syllabus
8	Major Test -2	30/10/2022	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	