

SYLLABUS OF MAT

Test No	Test Name	Test date	Topics of Class	MENTAL ABILITY
1	Review Test 1	29/04/2018	9	Verbal & Non Verbal Series, Logical sequence of Words, Verbal & Non Verbal Analogy, Coding & Decoding, Verbal & Non-Verbal Classification
2	Review Test 2	13/05/2018	9	Logical Venn Diagram, Mathematical Operation, Direction Sense Test, Alphabet Test, PuzzleTest, Analytical Reasoning, Mirror image, Water image
3	Minor Test 1	08/07/2018	10	Number, Ranking & Time Sequence Test, Alpha- Numeric Sequence Puzzle, Inserting the missing Character, Arithmatical Reasoning , Spotting Out the Embedded Figure, Completion of incomplete Pattern, Figure Matrix, Paper Folding & Paper Cutting
4	Minor Test 2	22/07/2018	10	Blood Relation, Data Sufficiency, Dice & Cube, Dot Situation, Grouping of identical figure, Construction of Shapes & Boxes
5	Minor Test 3	05/08/2018	10	Calender, Sequential Output Tracing, Eligibility Test, Verbal & Non Verbal Series, Coding & Decoding
6	Minor Test 4	02/09/2018	10	Clock, Verbal & Non Verbal Analogy, Verbal & Non-Verbal Classification, Logical Venn Diagram, Puzzle Test
7	Major Test 1	16/09/2018	9 & 10	Full Syllabus
8	Major Test 2	21/10/2018	9 & 10	Full Syllabus

SYLLABUS OF SAT

Test No	Test Name	Test date	Topics of Class	PHYSICS	CHEMISTRY	BIOLOGY	MATHS	SOCIAL SCIENCE
1	Review Test 1	29/04/2018	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	13/05/2018	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	08/07/2018	10	Light (Reflection, Refraction, optical instrument)	Rate of chemical reactions and chemical equilibrium	Nutrition, Respiration	Real Numbers, Polynomials, Pair Of Linear Equations in Two Variables	History - Physical features of Punjab and their influence on it's history, Political and Social constitutions of Punjab before Guru Nanak Dev Ji, Guru Nanak Dev ji and his teachings, Contribution of Sikh Guru's from Guru Angad Dev Ji to Guru Teg Bahadur Ji, Guru Gobing Singh Ji's life, creation of Khalsa and and his personality, Banda Bahadur and the Sikh Misals,Ranjit Singh: Early life, achievements and Anglo-Sikh Relations.
4	Minor Test 2	22/07/2018	10	Electricity, Chemical and Heating effect	Important chemical compounds	Transportation, Excretion	Quadratic Equations, Arithmetic Progressions, Triangles,Construction	History- The Anglo Sikh wars and Annexation of the Punjab, Punjab's contribution towards struggle for freedom, Features of the Indian Constitution, The Central Government, The State Government, Indian Democracy at work, Indian Foreign Policy and the United Nations
5	Minor Test 3	05/08/2018	10	Magnetic effect	Metals and Non - metals	Control and coordination, Reproduction	Coordinate Geometry, Introduction to trigonometry, Some applications of Trigonometry, Circles	Geography - India- An introduction, Land, Climate, Natural Vegetation and Wildlife and Soils, Water Resources and Irrigation Projects, Land Utilisation and Agriculture, Mineral and Power Resources
6	Minor Test 4	02/09/2018	10	Sources of energy(include d fusion and fission), Universe	Carbon compounds	Heredity and Organic Evolution, Environment	Area related to circles, Surface Area and Volume, Statistics, Probability	Remaining Chapters of Geography and Economics
7	Major Test 1	16/09/2018	9 & 10	Full syllabus	Full syllabus	Full syllabus	Full syllabus	Full syllabus
8	Major Test 2	21/10/2018	9 & 10	Full syllabus	Full syllabus	Full syllabus	Full syllabus	Full syllabus

NTSE STAGE I PAPER PATTERN AND MARKING SCHEME-2019

PAPER	TEST	NUMBER OF QUESTIONS	QUESTION NUMBERING	MARKS	TIME DURATION	REMARKS
PAPER-I	Mental Ability Test (MAT)	100	Q.1-Q.100	100	120 min.	NO NEGATIVE MARKING IN BOTH PAPERS
PAPER-II	Scholastic Aptitude Test (SAT)	100	Phy- Q.1-Q.14 Che-Q.15-Q.27 Bio-Q.28-Q.40 Maths-Q.41-Q.60 SST-Q.61-Q.100	100	120 min.	