

### 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	Calendar, 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	The French Revolution, Socialism in Europe & Russian Revolution, Nazism and the Rise of Hitler, Forest Society and Colonialism, Pastoralists in the Modern World What is Democracy? Why Democracy?, Constitutional Design, Democratic Rights, Electoral Politics, Working of Institutions
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- Size and Location, Physical Divisions of India, Climate, Drainage, Natural Vegetation and Wildlife, Population. The Story of Village Palampur, People as Resource, Food Security in India, Poverty as a Challenge
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- The Rise of Nationalism in Europe, Nationalism in India, The Nationalist Movement in Indo- China, The Making of a Global World, The Age of Industrialisation, Work, Life and Leisure, Print Culture and the Modern World.
4	Minor Test-2	28/08/2022	10	Magnetic Effects of Electric Current	Metals and Non-Metals	Transportation, Control and Coordination	Quadratic Equations, Arithmetic Progressions, Triangles, Construction	Geography - Resources and Development, Forest and Wildlife Resources, Water Resources, Agriculture, Minerals and Energy Resources, Manufacturing Industries, Lifelines of National Economy.
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	Civics - Power Sharing, Federalism, Democracy and Diversity, Gender, Religion and Caste, Popular Struggles and Movements, Political Parties, Outcomes of Democracy, Challenges to Democracy.
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- Development, Sectors of Indian Economy, Money and Credit, Globalisation and the Indian Economy, Consumer Rights.
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	<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	