

### SYLLABUS OF MAT

Test No	Test Name	Test date	Topics of Class	MENTAL ABILITY
1	Minor Test 1	08/07/2018	9	Verbal & Non Verbal Series, Logical sequence of Words, Verbal & Non Verbal Analogy, Coding & Decoding, Verbal & Non-Verbal Classification
2	Minor Test 2	19/08/2018	9	Logical Venn Diagram, Mathematical Operation, Direction Sense Test, Alphabet Test, Puzzle Test, Analytical Reasoning, Mirror image, Water image
3	Minor Test 3	07/10/2018	9	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 4	16/12/2018	9	Blood Relation, Dice & Cube, Dot Situation, Figure Matrix, Figure Formation & Grouping of identical figure, Coding & Decoding, Logical Venn Diagram, Puzzle Test
5	Major Test 1	13/01/2019	9	Full Syllabus
6	Major Test 2	27/01/2019	9	Full Syllabus

### SYLLABUS OF SAT

Test No	Test Name	Test date	Topics of Class	PHYSICS	CHEMISTRY	BIOLOGY	MATHS	SOCIAL SCIENCE
1	Minor Test 1	08/07/2018	9	Motion	Matter in our surroundings	Cell, Improvement in food resources	Number System, Polynomials, Coordinate Geometry, Linear Equation in Two Variables	From Food Gathering and Grazing to Agriculture, The Mesopotamian Civilization, The Egyptian Civilization, The Harappan Civilization, Vedic Society and Culture, Meaning and importance of Environment, Ecosystem Structure, importance and balance, Protection and Conservation of Environment, The Constitution of India and its Salient features, Fundamental Rights and Fundamental Duties, Directive Principles of State Policy, Meaning and Kinds of Economy, Fundamental Basis of Economy
2	Minor Test 2	19/08/2018	9	Force and NLM	Is matter around us pure	Tissues	Introduction to Euclid's geometry, Lines and angles, Triangles, Heron's formula	Jainism and Buddhism, Political Rivalry of Janpadas and Mahajanpadas, Rise and Growth of Maurayan Empire, Gupta Empire : Economic, Social and Cultural Development, Achievements : Harsha Age, Lithosphere : Creation and Changing Force, Atmosphere, Hydrosphere, Democracy, Role of Political Parties in Indian Democracy, Public Opinion formation, Human Rights and Right to information, Basic trends of Indian Economy, Sectors of Indian Economy
3	Minor Test 3	07/10/2018	9	Fluid mechanics Gravitation	Atoms and molecules	Diversity in living organism	Quadrilaterals, Areas of Parallelograms and Triangles, Circles, Constructions	Feudalism, Rising of Contemporary Rajputs, Social and Cultural Achievements, Main Dynasties of, South India: Cultural Achievements, Delhi Sultanate, Administrative achievements of Sultanate, Biosphere, Environmental Pollution, Meaning and classification of Resources, Importance of Local self government, Gram Panchayat, Kshetra Panchayat and Zila Panchayat, Urban Administration, Well Developed Social and Economic Development, Indicators of Social Development
4	Minor Test 4	16/12/2018	9	Work, Power, Energy Sound	Structure of atom	Why do we fall ill, Natural resources	Surface Areas and Volumes, Statistics, Probability	Society and Culture of Sultanate, Achievements of Shershah, Contribution of Mughals : Social, Cultural and Economic Spheres, Emergence of Maratha Power, Population Density and Distribution, Problems of increasing Population, Need and measures adopted to Control Population, National Challenges, Development of Weaker sections and women, Expectations : Unity in Diversity, Sarvadharm Sambhava, Gender equality and Scientific Approach, Indicators of Economic Development, India's Position in the World from Development point of View.
5	Major Test 1	13/01/2019	9	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus	Full Syllabus
6	Major Test 2	27/01/2019	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-I	Mental Ability Test (MAT)	100	Q.1-Q.100	100	120 min.	<b>NO NEGATIVE MARKING IN BOTH PAPERS</b>
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.	