

### 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, Puzzle Test, 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, Arithmetical 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	Calendar, 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	Matter in our surroundings, Is matter around us pure	Cell, Food resources, Tissues	Set Operations, Number System, Polynomials, Coordinate Geometry, Linear equations in two variables, Structure of Geometry, Some Primary Concepts in Geometry :1, Some Primary Concepts in Geometry :2, Triangle	<b>History</b> : Contemporary streams of world history, Influence of British rule in India and Nationalised Movement, March towards achievement of Independence, World after 1945- I, World after 1945-II, Post Independence India- I, Post Independence India- II, <b>Civics</b> : Framing the Constitution and its salient features Fundamental Rights, Fundamental Duties and Directive Principles of State Policy, Organs of government, Judiciary in India, Indian Democracy
2	Review Test 2	13/05/2018	9	Fluid mechanics, Gravitation, Work Power & Energy, Sound	Atoms and molecules, Structure of atom	Diversity in living organism-I & II, Why do we fall ill, Our natural resources	Quadrilaterals, Areas of Parallelograms and Triangles, Circle, Constructions, Heron's Formula, Surface Area and Volume, Statistics, Probability, Logarithm	Geological structure and Physiography, Climate, Drainage System, Natural Vegetation, Wildlife, Population.
3	Minor Test 1	08/07/2018	10	Electricity	Chemical reactions and Chemical equations, Acids, bases and salts	Nutrition and Respiration	Real Numbers, Polynomials, Pair Of Linear Equations in Two Variables	Our Glorious Heritage, Cultural Heritage of India- Handicraft, Cultural Heritage of India- Sculpture and architecture, Cultural Heritage of India- Literature, India's heritage of Science & Technology, Places of Indian Cultural Heritage, Preservation of our heritage
4	Minor Test 2	22/07/2018	10	Magnetism	Metals and Non-metals	Transportation, Circulation and Excretion in organism, Control and coordination in organisms	Quadratic Equations, Arithmetic Progressions, Triangles, Construction	Natural Resources, Resource Vegetation and wildlife, India- Agriculture, Water Resources, Mineral Resources, Energy Resources
5	Minor Test 3	05/08/2018	10	Light	Periodic classification of elements	Reproduction in organisms, Heredity and Evolution	Coordinate Geometry, Introduction to trigonometry, Some applications of Trigonometry, Circles	Manufacturing Industries, Transport, Communication & Trade Economic Development, Economic Liberalisation and Globalisation
6	Minor Test 4	02/09/2018	10	Sources of energy, Heat	Carbon and its compounds	Our environment, Management of natural resources	Area related to a circle, Surface Areas and Volumes, Statistics, Probability	Major problems of Indian Economy- Poverty and Unemployment, Price rise and Consumer Awareness, Dynamics of Human Development, Social problems and Challenges, Social Changes
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.	<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.	