

### 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, Arithmetical Reasoning
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, Arithmetical Reasoning
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, Arithmetical Reasoning
5	Minor Test 3	05/08/2018	10	Calendar, Sequential Output Tracing, Eligibility Test, Verbal & Non Verbal Series, Coding & Decoding, Arithmetical Reasoning
6	Minor Test 4	02/09/2018	10	Clock, Verbal & Non Verbal Analogy, Verbal & Non-Verbal Classification, Logical Venn Diagram, Puzzle Test, Arithmetical Reasoning
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	<b>History-</b> French Revolution, Russian Revolution, Nazism and the Rise of Hitler, Forest, Society and Colonialism, Peasants & Framers, Pastoralists in the Modern World, Clothing, The Story of Cricket. <b>Civics</b> - Democracy in the Contemporary World, What is Democracy & Why Democracy, Constitutional Design, Democratic Rights, Electoral Politics, Working of Institutions
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	<b>Geography-</b> India- Size & Location, Physical features of India, Climate, Drainage, Natural Vegetation & Wildlife, Population. <b>Economics</b> - The Story of Village Palampur, People as a Resource, Food Security, Poverty as a Challenge
3	Minor Test 1	08/07/2018	10	Electricity	Chemical reactions and Chemical equations, Acids, bases and salts	Nutrition, Respiration, Excretion	Real Numbers, Polynomials, Pair Of Linear Equations in Two Variables	<b>History-</b> Nationalism in Europe, Nationalism in India, Nationalist in Indo- China, The Making of Global World, Age of Industrialization, Work, Life & Leisure, Print Culture, Novels, Society & History.
4	Minor Test 2	22/07/2018	10	Magnetism	Metals and Non-metals	Transportation, Control and coordination	Quadratic Equations, Arithmetic Progressions, Triangles, Construction	<b>Geography</b> - Resources and Development, Forest and Wildlife Resources, Water Resources, Agriculture, Minerals and Energy Resources, Manufacturing Industries, Lifelines of National economy.
5	Minor Test 3	05/08/2018	10	Light	Periodic classification of elements	Reproduction, Heredity and Evolution	Coordinate Geometry, Introduction to trigonometry, Some applications of Trigonometry, Circles	<b>Civics</b> - Power sharing, Federalism, Democracy & Diversity, gender Religion & Caste, Popular Struggles & Movements, Political Parties, Outcomes of Democracy, Challenges to Democracy.
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 circles, Surface Area and Volume, Statistics, Probability	<b>Economics-</b> Development, Sectors of Indian Economy, Money & Credit, Globalization and Indian Economy, Consumer Rights.
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.	