

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	Measurement, Motion, Force and NLM	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	From Food Gathering and Grazing to Agriculture, The Mesopotamian Civilization, The Egyptian Civilization, The Harappan Civilization, Vedic Society and Culture, Jainism and Buddhism, Political Rivalry of Janpadas and Mahajanpadas, Rise and Growth of Mauryan Empire, Gupta Empire : Economic, Social and Cultural Development, Meaning and importance of Environment, Protection and Conservation of Environment, Lithosphere : Creation and Changing Force, Atmosphere, Hydrosphere, The Constitution of India and its Salient features, Fundamental Rights and Fundamental Duties, Directive Principles of State Policy, Democracy, Role of Political Parties in Indian Democracy, Public opinion formation, Human Rights and Right to information, Meaning and Kinds of Economy, Fundamental Basis of Economy, Basic trends of Indian Economy, Sectors of Indian Economy.
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	Achievements : Harsha Age, Feudalism, Rising of Contemporary Rajputs, Social and Cultural Achievements, Main Dynasties of South India: Cultural Achievements, Delhi Sultanate, Administrative achievements of Sultanate, Society and Culture of Sultanate, Achievements of Shershah, Contribution of Mughals : Social, Cultural and Economic Spheres, Emergence of Maratha Power, Biosphere, Environmental Pollution, Meaning and classification of Resources, Population Density and Distribution, Problems of increasing Population, Need and measures adopted to Control Population, Importance of Local self government, Gram Panchayat, Kshetra Panchayat and Zila Panchayat, Urban Administration, National Challenges, Development of Weaker sections and women, Expectations : Unity in Diversity, Sarvadharm Sambhava, Gender equality and Scientific Approach, Well Developed Social and Economic Development, Indicators of Social Development, Indicators of Economic Development, India's Position in the World from Development point of View.
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	The Renaissance, Religious Reformation Movements: Discoveries and Explorations, Industrial Revolution and its Effects, General Introduction of Revolutions, The Central Government: Legislature (Parliament), Union Executive: President and Vice-President, Formation and Functions of Central Council of Ministers, India: Physical Features, Climate, Natural Disasters, Man-made Disasters, Developed and Developing Countries and their Characteristics, India: Emerging as a Developing Nation, Relation between Production and Consumers
4	Minor Test 2	22/07/2018	10	Magnetism	Metals and Non- metals	Transportation, Control and coordination	Quadratic Equations, Arithmetic Progressions, Triangles, Construction	The French Revolution, The Russian Revolution, The Growth of Nationalism in Europe, The First World War : Reasons and Consequences, The State Government : State Legislature, State Executive : Governor, Chief Minister and Council of Ministers, The Supreme Court of India, Land Resources Indian Soil, Water Resources, Distribution of Production and Consumers, Distribution of Production among various Factors, Role of Agriculture in Indian 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	The Second World War : Reasons and Consequences, Arrival of European Powers and their expansion in India, First struggle for freedom: Causes and consequences, Indian Awakening and Growth of Nationalism, High Courts in the State, District Court, Lok Adalat and Judicial Activism, Foreign Policy of India, India and her neighbouring countries, Forest & Wildlife Resources, Energy Resources, Mineral Resources, Agriculture Productivity, Complementary of Agriculture and Industries, Industrial Productivity
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	Rise of Nationalism : Moderates and Extremists, Gandhian thought and Non - Cooperation Movement, Civil Disobedience Movement and Quit India Movement, Contribution of Revolutionaries and Freedom Fighters, Partition of India and Achievement of Freedom, The U.N.O and the World Peace, Frontiers and Defence Arrangement of the Country, Internal Defence Arrangement of the Country, Population, Occupation : Animal Husbandry, Fishery, Agriculture and Mining, Human Occupation : Secondary Occupations, Services: Transport, Trade and Communication, Industrial Development, Economic Planning, The Role of State in Economic Development, Foreign Trade
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.	