

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, Gravitation	Matter in our surroundings, Is matter around us pure	Cell and its organisation, Improvement in food resources, Tissue System	Number System, Polynomials, Coordinate Geometry, Linear Equation in Two Variables, Introduction to Euclid's geometry, Lines and angles, Triangles, Heron's formula	History - Colonisation in Asia and Africa, First World War- Causes and consequences, Russian Revolution - Causes and Consequences, Peace Initiatives - League of Nations, Development of Fascism and Nazism, Second World War - Causes and Consequences, Nationalist movements in Asia and Africa and Emergence of Independent States in 20th Century. Civics - Fundamental Rights, Fundamental Duties and Directive Principles of State Policy, Human Rights, Right to Information: RTI Act of India, Geography - India: Size and Location, India: Physical Divisions, Odisha Size, Location and Physical Features, India: Drainage, Major Rivers and Lakes of Odisha, Economics - Economic Development
2	Review Test 2	13/05/2018	9	Fluid mechanics, Work Power & Energy, Sound	Atoms and molecules, Structure of atom	Biodiversity, Disease and its treatment, Natural resources and its pollution	Quadrilaterals, Areas of Parallelograms and Triangles, Circles, Constructions, Surface Areas and Volumes, Statistics, Probability	History - Causes and Consequences of Cold War, Formation of Military Blocks- Race for Armaments, Non-Aligned Movement, Disintegration of Soviet Union India's Unity in Diversity and Traditions of India Art, Architecture, Craft, Literature, Science and Technology Heritage of Odisha Civics - Indian Nationalism, National Integration, Democratic Values, United Nations Geography - India: Climate, Odisha Climate and Disaster Management, India: Natural Vegetation and Wildlife, Odisha: Natural Vegetation and Wildlife, Population Economics - Money and Credit, Sustainable Development
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	Gandhian Era in Indian Nationalism, Role of Odisha in Indian National Movement, Formation of New States in India after Independence, Constitutional Status of J& K, Resources and Development, Economic Development, Indian Economy: Growth Rate.
4	Minor Test 2	22/07/2018	10	Magnetism	Metals and Non-metals	Transportation and circulation, Control and coordination	Quadratic Equations, Arithmetic Progressions, Triangles, Construction	Formation of Independent Odisha State: Various Stages of Nationalism in Odisha, Constitutional Design, Forest & Wildlife Resources, Indian Economy: Growth Rate
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	India as a Newly Independent Nation: Till 20th Century, Merger of Odisha with Republican States, Electoral politics, Mineral & Energy Resources, Consumer Rights
6	Minor Test 4	02/09/2018	10	Sources of energy Heat	Carbon and its compounds	Sources of energy, Our environment, Conservation of natural resources	Area related to circles, Surface Area and Volume, Statistics, Probability	Odisha After Independence, India's Foreign Policy, Agriculture, Poverty as a challenge, Manufacturing Industries
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.	