

SYLLABUS OF MAT

Test No	Test Name	Test date	Class	MENTAL ABILITY
1	Review Test -1	17/07/2022	9	Verbal & Non Verbal Series, Logical sequence of Words, Verbal & Non Verbal Analogy, Coding & Decoding, Verbal & Non-Verbal Classification
2	Review Test -2	31/07/2022	9	Logical Venn Diagram, Mathematical Operation, Direction Sense Test, Alphabet Test, Puzzle Test, Analytical Reasoning, Mirror image, Water image
3	Minor Test-1	14/08/2022	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, Paper Folding & Paper Cutting
4	Minor Test-2	28/08/2022	10	Blood Relation, Data Sufficiency, Dice & Cube, Dot Situation, Figure Matrix, Figure formation, Grouping of identical figure, Construction of Shapes
5	Minor Test-3	11/09/2022	10	Calender, Sequential Output Tracing, Verbal & Non Verbal Series, Coding & Decoding, Statement conclusions
6	Minor Test-4	25/09/2022	10	Clock, Verbal & Non Verbal Analogy, Verbal & Non-Verbal Classification, Logical Venn Diagram, Puzzle Test
7	Major Test -1	09/10/2022	9 & 10	Full Syllabus
8	Major Test -2	30/10/2022	9 & 10	Full Syllabus

SYLLABUS OF SAT

Test No	Test Name	Test date	Class	PHYSICS	CHEMISTRY	BIOLOGY	MATHS	SOCIAL SCIENCE
1	Review Test -1	17/07/2022	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: First World War, Russian Revolution, The League of Nations, Development of Fascism and Nazism, Second World War, Nationalist Movement in Asia, Nationalist Movement in Africa, 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, Architecture, Literature, Science and Technology, Great Heritage of Odisha.
2	Review Test -2	31/07/2022	9	Thrust and Pressure, Work, Energy, Power; 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	Civics: Fundamental Rights, Fundamental Duties and Directive Principles of State Policy, Human Rights, Right to Information (RTI) Act of India, Indian Nationalism and National Integration, Democratic Values, United Nations Geography: India-Size and Location, Physical divisions of India, Climate, Natural Vegetation and Wildlife, Population Economics: Economic Development II, Money and Credit, Sustainable Development.
3	Minor Test-1	14/08/2022	10	Electricity	Chemical Reactions And Equations, Acids, Bases And Salts	Nutrition, Respiration, Excretion	Real Numbers, Polynomials, Pair Of Linear Equations in Two Variables	History: Mahatma Gandhi and the national movement, Role of Odisha in Indian National Movement, Formation of Independent Odisha state: Various stages of nationalism in Odisha,
4	Minor Test-2	28/08/2022	10	Magnetic Effects of Electric Current	Metals and Non- Metals	Transportation and circulation, Control and coordination	Quadratic Equations, Arithmetic Progressions, Triangles, Construction	India as a newly independent Nation: Till 20th Century, Merger of Odisha with Garjat States, Odisha: Determining definitive Development. Civics: Formation of new states in India after Independence, Constitutional status of Jammu and Kashmir, Constitutional Design, Electoral Politics, Foreign Policy of India
5	Minor Test-3	11/09/2022	10	Light	Periodic Classification Of Elements	Reproduction, Heredity and Evolution	Coordinate Geometry, Introduction to trigonometry, Some applications of Trigonometry, Circles	Geography: Resources and Development, Forest and Wildlife Resources, Water Resources, Minerals and Energy Resources, Agriculture, Manufacturing Industries
6	Minor Test-4	25/09/2022	10	Sources of Energy, Heat	Carbon And Its Compounds	Our environment, Conservation of natural resources	Area related to circles, Surface Area and Volume, Statistics, Probability	Economics: Economic Development-I, Indian Economy: Growth Rate, Consumer Rights, Poverty as a Challenge, Unemployment
7	Major Test -1	09/10/2022	9 & 10	Full syllabus	Full Syllabus	Full syllabus	Full syllabus	Full syllabus
8	Major Test -2	30/10/2022	9 & 10	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 -1	MENTAL ABILITY TEST (MAT)	100	Q.1 - Q.100	100	120 Min	NO NEGATIVE MARKING IN BOTH PAPERS
PAPER -2	SCHOLASTIC APTITUDE TEST (SAT)	100	Phy. Q.1 - Q.14 Chem. Q.15 - Q.27 Bio. Q.28 - Q.40 Maths. Q.41 - Q.60 SST - Q.61 - Q.100	100	120 Min	