

SYLLABUS OF MAT

| Test No | Test Name | Test date | Topics of Class | MENTAL ABILITY |
|---------|--------------|------------|-----------------|---|
| 1 | Minor Test 1 | 08/07/2018 | 9 | Verbal & Non Verbal Series, Logical sequence of Words, Verbal & Non Verbal Analogy, Coding & Decoding, Verbal & Non-Verbal Classification |
| 2 | Minor Test 2 | 19/08/2018 | 9 | Logical Venn Diagram, Mathematical Operation, Direction Sense Test, Alphabet Test, Puzzle Test, Analytical Reasoning, Mirror image, Water image |
| 3 | Minor Test 3 | 07/10/2018 | 9 | 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 4 | 16/12/2018 | 9 | Blood Relation, Dice & Cube, Dot Situation, Figure Matrix, Figure Formation & Grouping of identical figure, Coding & Decoding, Logical Venn Diagram, Puzzle Test |
| 5 | Major Test 1 | 13/01/2019 | 9 | Full Syllabus |
| 6 | Major Test 2 | 27/01/2019 | 9 | Full Syllabus |

SYLLABUS OF SAT

| Test No | Test Name | Test date | Topics of Class | PHYSICS | CHEMISTRY | BIOLOGY | MATHS | SOCIAL SCIENCE |
|---------|--------------|------------|-----------------|---------------------------------------|----------------------------|--|---|---|
| 1 | Minor Test 1 | 08/07/2018 | 9 | Motion | Matter in our surroundings | Cell and its organisation , Improvement in food resources | Number System, Polynomials, Coordinate Geometry, Linear Equation in Two Variables | History - Historical derivation of land and Source of History, In the earliest cities, What book and burials tell us. Economic and social evolution of ancient Indian civiligation, New question and ideas, Kings kingdom and early republics, first Empire and Inspiring emperor, Town traders and craftsperson, 1st phase of colonial rule - Bengal & south India |
| 2 | Minor Test 2 | 19/08/2018 | 9 | Force and NLM | Is matter around us pure | Tissue System | Introduction to Euclid's geometry, Lines and angles, Triangles, Heron's formula | History - Rise of different royal dynasties- Khusanas, Satavahanas, 4th - 7th century -Gupta dynasty ,New kings and kingdom, The legacy of ancient India, Delhi Sultanate, Mughal Empire, Sufi and bhakti movement with flowering of regional culture |
| 3 | Minor Test 1 | 07/10/2018 | 9 | Fluid mechanics Gravitation | Atoms and molecules | Biodiversity | Quadrilaterals, Areas of Parallelograms and Triangles, Circles, Constructions | History - Town traders and craftsperson, 1st phase of colonial rule - Bengal & south India GEOGRAPHY - Earth as a Planet, Movements of the Earth, Determination of location of a place on the earth's surface(LATITUDE & LONGITUDE), Geomorphc Process and Landforms of the Earth, Physical Features of India |
| 4 | Minor Test 4 | 16/12/2018 | 9 | Work, Power, Energy , waves and Sound | Structure of atom | Disease and its treatment, Natural resources and its pollution | Surface Areas and Volumes, Statistics, Probability | GEOGRAPHY - Weathering, Hazards & Disasters, Resources of India, West Bengal - Maps and Scales , CIVICS -Constitution of Independent India, Fundamental Rights |
| 5 | Major Test 1 | 13/01/2019 | 9 | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus |
| 6 | Major Test 2 | 27/01/2019 | 9 | 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-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. | |