

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, PuzzleTest, 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 | Calender, 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, 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 | History- French Revolution, Russian Revolution, Nazism and the Rise of Hitler, Forest, Society and Colonialism, Peasants & Farmers, Pastoralists in the Modern World, Clothing, The Story of Cricket. Civics - 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 | Geography- India- Size & Location, Physical features of India, Climate, Drainage, Natural Vegetation & Wildlife, Population. Economics - 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 | History- Nationalism in Europe, Nationalism in India, Nationalist in Indo- China, The Making of Global World, Age of Industrialisation, 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 | Geography - 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 | Civics - 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 | Economics- Development, Sectors of Indian Economy, Money & Credit, Globalisation 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. | 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. | |