

Target : NTSE

NTBT (National Talent Benchmark Test) NAT (NTSE PT & CT) Syllabus for Class 10 Students

NOTE: Syllabus of Social Science would be according to MP Board

| Date | Test Type | Test Name | Physics | Chemistry | Biology | Mathematics | Social Science | Mental Ability | English |
|------------|-----------|-----------|---|--|--|---|--|---|---|
| 23.07.2017 | CT 2 | NAT6 | ELECTRICITY & MAGNETIC EFFECT OF CURRENT AND EMI (COMPLETE) FLUID (COMPLETE), LIGHT (Optics, Light, Nature of Light, Reflection of light, Rectilinear propagation of light, Image, Plane Mirror, Spherical mirrors, Concave and convex mirror, Uses of convex mirror, sign convention for measuring distance in concave and convex mirror, Mirror formula, Power of mirror, Magnification of concave mirror, Relation between focal length(f) and radius of curvature (R) , Refraction of Light, Cause of Refraction, Effects of refraction of Light, Laws of Refraction, Refractive Index, Refraction through glass slab, Refraction and speed of light, Spherical Lenses, Convex lens and its type, Concave lens and its type, Definitions in connection with spherical lens, Convex Lens, Image formed by Convex Lens, Concave lens, Rules for the formation of images by Concave Lens, | CHEMICAL REACTION AND EQUATION, ACIDS, BASES AND SALTS, METALS AND NON METALS (Complete) MATTER IN OUR SURROUNDINGS (complete) | Control & Coordination, Reprod uction, Improvement in food resources, Genetics | REAL NUMBERS, POLYNOMIALS & LINEAR EQ. IN TWO VARIABLE, TRIGONOMETRY, TRINGLES & STATISTICS, QUADRATIC EQUATION, ARITHMETIC PROGRESSION, COORDINATE GEOMETRY | Work life and leisure, Resources and development, Power Sharing, Development, Print culture, the modern world, Forest, wild life resources, federlism & Sectors of Indian economy, Novels, society and history, Water Resources & agriculture, Democracy and diversity, Gender , Religon & caste, Nationalism in India & The making of Global world, The age of the industrialisation, Minearal and Energy Resource & Manufacturing industries, Popular struggles, movement | NUMBER SERIES, ALPHABET SERIES, LETTER REPEATING SERIES, MISSING TERM IN FIGURES, MATHEMATICAL OPERATION, ALPHABET TEST, CODING- DECODING, DIRECTION SENSE TEST, SITTING ARRANGEMENT, RANKING & ORDERING TEST, BLOOD RELATION TEST, PUZZLE TEST | NOUN, PRONOUN, TENSE, CONDITIONALS, READING COMPREHENSION & ADJECTIVE, ADVERB, SVA, IDIOMS and PHRASES, ANOTONYMS & SYNONYMS |

| | | | | | | | | | |
|------------|------|------|---|---|---|--|--|---|---|
| 13.08.2017 | PT 3 | NAT7 | <p>Image formed by Concave Lens, Power of a lens, Lens formula, Linear Magnification, LIGHT Refraction through prism, Scattering of light : tyndall effect, phenomena based upon scattering of light, Total internal reflection: Conditions for total internal reflection, Some Phenomena due to total Internal Reflection, Colours of the object). SOURCES OF ENERGY(Sources of energy, Types of Sources of Energy, Characteristics of Sources of Energy, Solar energy, Composition of Solar Energy (Sunlight), WORK ENERGY AND POWER(Introduction, Work, Measurement of Work, Units of Work done, Positive Work done, Negative Work done)</p> | CHEMICAL REACTION AND EQUATION, ACIDS, BASES AND SALTS, METALS AND NON METALS (Complete) MATTER IN OUR SURROUNDINGS (complete) | Heredity and Evolution, Our environment and Management of Natural resources | COORDINATE GEOMETRY, HEIGHTS AND DISTANCES, CIRCLES(IX,X), AREA RELATED TO CIRCLES, | Nationalism In Europe, Political parties and Money 'credit + IX Civics SA2, Geo SA1 | Venn Diagram, syllogism, analogy, classification | Question tag, Modals and active passive |
| 27.08.2017 | CT 3 | NAT8 | <p>ELECTRICITY & MAGNETIC EFFECT OF CURRENT AND EMI COMPLETE, LIGHT COMPLETE & Source of energy complete, WORK ENERGY AND POWER(Energy, Units of energy, Different forms of energy, Kinetic energy, Potential energy, Definition of Potential Energy, Gravitational and Elastic Potential Energy, Expression for Potential Energy of a Body at a Certain Height, Interconversion of potential and kinetic energy, Interconversion of potential and kinetic energy, Some other examples of conservation of energy, Work energy theorem)</p> | CHEMICAL REACTION AND EQUATION, ACIDS, BASES AND SALTS, METALS AND NON METALS, CARBON AND IT'S COMPOUNDS (introduction bonding , versatile nature of carbon , classification of organic compounds, Homologous series , Complete nomenclature, ISOMERISM, Chemical Properties of Carbon Compounds) IS MATTER AROUND US PURE (complete) | Heredity and Evolution, Our environment, Management of Natural resources & Why do we fall ill | REAL NUMBERS, POLYNOMIALS(IX,X) , LINEAR EQ. IN TWO VARIABLE, TRIGONOMETRY, TRIANGLES(IX,X), STATISTICS(IX,X), QUADRATIC EQUATION, ARITHMETIC PROGRESSION, COORDINATE GEOMETRY, HEIGHTS AND DISTANCES, CIRCLES(IX,X), AREA RELATED TO CIRCLES, SURFACE AREA & VOLUME(IX,X), PROBABILITY(IX,X), CONSTRUCTION (IX,X) | Work life and leisure, Resources and development, Power Sharing, Development, Print culture, the modern world, Forest, wild life resources, federalism & Sectors of Indian economy, Novels, society and history, Water Resources & agriculture, Democracy and diversity, Gender , Religion & caste, Nationalism in India & The making of Global world, The age of the industrialisation, Mineral and Energy Resource & Manufacturing industries, Popular struggles, movement, Political party, Money, Credit, Globalisation & Indian Economy, Nationalism In Europe, Globalisation and the Indian economy. | NUMBER SERIES, ALPHABET SERIES, LETTER REPEATING SERIES, MISSING TERM IN FIGURES, MATHEMATICAL OPERATION, ALPHABET TEST, CODING-DECODING, DIRECTION SENSE TEST, SITTING ARRANGEMENT, RANKING & ORDERING TEST, BLOOD RELATION TEST, PUZZLE TEST, VENN DIAGRAM, SYLLOGISM, Analogy, CLASSIFICATION, PYRAMID TEST, CALENDAR TEST | Question tags, modals, Active and passive voice, Determiners, Antonyms and synonyms |

| | | | | | | | | | |
|------------|-------|--------|---------------|---------------|---------------|---------------|---------------|---------------|---|
| 26.10.2017 | CT 10 | FST 6 | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus |
| 28.10.2017 | CT 11 | FST 7 | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus |
| 30.10.2017 | CT 12 | FST 8 | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus |
| 01.11.2017 | CT 13 | FST 9 | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus + RBSE Board syllabus author name |
| 03.11.2017 | CT 14 | FST 10 | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus | Full Syllabus + CBSE Board syllabus author name |