

## SYLLABUS FOR GENIUS-20 EXAMINATION 2025-26

### SYLLABUS FOR CLASS-8<sup>TH</sup> MOVING TO CLASS-9<sup>TH</sup> :

PHYSICS	CHEMISTRY	BIOLOGY	MATHEMATICS
<p><b>FROM CLASS 8<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Force &amp; Pressure</li> <li>• Friction</li> <li>• Chemical effect of Electric Current</li> <li>• Sound</li> <li>• Light</li> </ul>	<p><b>FROM CLASS 8<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Coal and Petroleum</li> <li>• Combustion and Flame</li> </ul> <p><b>FROM CLASS 7<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Heat</li> <li>• Acids, Bases and Salts</li> <li>• Physical and Chemical Changes</li> <li>• Water: A Precious Resource</li> </ul>	<p><b>FROM CLASS 8<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Crop Production and Management</li> <li>• Microorganisms: Friend and Foe</li> <li>• Reproduction in Animals</li> <li>• Reaching the Age of Adolescence</li> </ul> <p><b>FROM CLASS 7<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Nutrition in plants</li> <li>• Nutrition in animals</li> <li>• Respiration in organisms</li> <li>• Transportation in animals and plants</li> <li>• Reproduction in plants</li> </ul>	<p><b>FROM CLASS 8<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Rational Numbers</li> <li>• Linear Equations in One Variable</li> <li>• Understanding Quadrilaterals</li> <li>• Data Handling</li> <li>• Squares and Square Roots</li> <li>• Cubes and Cube Roots</li> <li>• Comparing Quantities</li> <li>• Algebraic Expressions and Identities</li> <li>• Mensuration</li> <li>• Exponents and Powers</li> <li>• Direct and Inverse Proportion</li> <li>• Factorisation</li> <li>• Introduction to Graphs</li> </ul>

### FOR CLASS-9<sup>TH</sup> MOVING TO CLASS-10<sup>TH</sup> :

PHYSICS	CHEMISTRY	BIOLOGY	MATHEMATICS
<p><b>FROM CLASS 9<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Motion</li> <li>• Force &amp; Laws of motion</li> <li>• Gravitation</li> <li>• Work &amp; Energy</li> </ul> <p><b>FROM CLASS 8<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Light</li> <li>• Friction</li> </ul>	<p><b>FROM CLASS 9<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Matter in Our Surroundings</li> <li>• Is Matter around us Pure</li> <li>• Atoms and Molecules (Including mole concept)</li> <li>• Structure of the Atom</li> </ul> <p><b>FROM CLASS 8<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Coal and Petroleum</li> <li>• Combustion and Flame</li> </ul>	<p><b>FROM CLASS 9<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Cell</li> <li>• Tissue</li> <li>• Improvement in food resources</li> </ul> <p><b>FROM CLASS 8<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Crop Production and Management</li> <li>• Microorganisms: Friend and Foe</li> <li>• Reproduction in Animals</li> <li>• Reaching the Age of Adolescence</li> </ul>	<p><b>FROM CLASS 9<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Number System</li> <li>• Polynomials</li> <li>• Co-ordinate Geometry</li> <li>• Linear Equations in Two Variables</li> <li>• Lines and Angles</li> <li>• Triangles</li> <li>• Quadrilaterals</li> <li>• Circles</li> <li>• Heron's formula</li> <li>• Surface Areas and Volumes</li> </ul>

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### FOR CLASS-10<sup>TH</sup> MOVING TO CLASS-11<sup>TH</sup> :

PHYSICS	CHEMISTRY	BIOLOGY	MATHEMATICS
<p><b>FROM CLASS 10<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Light</li> <li>• Human Eye &amp; Colourful World</li> <li>• Electricity</li> <li>• Magnetic Effect of Current</li> </ul> <p><b>FROM CLASS 9<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Motion</li> <li>• Gravitation</li> <li>• Work &amp; Energy</li> </ul>	<p><b>FROM CLASS 10<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Chemical Reactions and Equations</li> <li>• Acids, Bases and Salts</li> <li>• Metals and Non-Metals</li> <li>• Carbon and Its Compounds</li> </ul> <p><b>FROM CLASS 9<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Matter in Our Surroundings</li> <li>• Is Matter around us Pure</li> <li>• Atoms and Molecules (Including mole concept)</li> <li>• Structure of the Atom</li> </ul>	<p><b>FROM CLASS 10<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Life processes</li> <li>• Control and Co-ordination</li> <li>• Reproduction</li> <li>• Heredity</li> <li>• Our Environment</li> </ul> <p><b>FROM CLASS 9<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Cell</li> <li>• Tissue</li> <li>• Improvement in food resources</li> </ul>	<p><b>FROM CLASS 10<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Real Numbers</li> <li>• Polynomials</li> <li>• Pair of Linear Equations in Two Variables</li> <li>• Quadratic Equations</li> <li>• Arithmetic Progressions</li> <li>• Triangles</li> <li>• Co-ordinate Geometry</li> <li>• Introduction to Trigonometry</li> <li>• Some Application of Trigonometry</li> <li>• Circles</li> <li>• Area related to Circles</li> <li>• Surface Areas and Volumes</li> <li>• Probability</li> </ul>

### FOR CLASS-11<sup>TH</sup> MOVING TO CLASS-12<sup>TH</sup> :

PHYSICS	CHEMISTRY	BIOLOGY	MATHEMATICS
<p><b>FROM CLASS 11<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Physical world</li> <li>• Unit and measurements</li> <li>• Motion in straight line</li> <li>• Motion in a plane</li> <li>• Laws of motion</li> <li>• Work, Energy and Power</li> <li>• System of Particles and Rotational Motion</li> <li>• Mechanical Properties of Solids</li> <li>• Mechanical Properties of Fluids</li> </ul>	<p><b>FROM CLASS 11<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Some Basic Concepts of chemistry</li> <li>• Structure of atom</li> <li>• Classification of elements and periodicity in properties</li> <li>• Chemical Bonding and Molecular structure</li> <li>• Thermodynamics</li> <li>• Organic Chemistry- Some Basic Principles and Techniques (IUPAC Nomenclature, Structural Isomers, Electronic Effect, Aromaticity, Acidic and Basic Strength, Stability of Carbonation, Carbanion and Carbon Free Radical, Detection and Estimation of elements in organic compounds, Purification of organic compounds and separation techniques)</li> </ul>	<p><b>FROM CLASS 11<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• The Living world</li> <li>• Biological classification</li> <li>• Plant kingdom</li> <li>• Animal kingdom</li> <li>• Morphology of Flowering plants</li> <li>• Cell: The unit of life</li> <li>• Cell cycle and cell division</li> <li>• Photosynthesis in higher plants</li> <li>• Breathing and Exchange of Gases</li> <li>• Body Fluids and Circulation</li> </ul>	<p><b>FROM CLASS 11<sup>TH</sup></b></p> <ul style="list-style-type: none"> <li>• Sets</li> <li>• Basic Maths</li> <li>• Trigonometric Functions</li> <li>• Quadratic Equations</li> <li>• Sequence &amp; Series</li> <li>• Linear Inequalities</li> <li>• Straight Lines</li> <li>• Circle</li> <li>• Conic Section (Parabola, Ellipse, Hyperbola)</li> </ul>