

## GSAT SYLLABUS (2018)

CLASS	SUBJECT	TOPICS
VII	<b>MATHEMATICS</b>	Numbers & Number System, Fraction & Decimal, Simple Equation, Comparing Quantities, Rational Number, Lines & Angles, Triangles & Its Properties
	<b>SCIENCE</b>	<b>PHYSICS</b> - Motion & Time, Electric Current & Its Effect, Light <b>CHEMISTRY</b> - Fibre to Fabric, Acids, Bases & Salts, Physical & Chemical Changes, Soil <b>BIOLOGY</b> - Nutrition in Plants & Animals, Weather, Climate and Adaptations of Animals to Climate, Transportation In Animals & Plants, Respiration in Organism
VIII	<b>MATHEMATICS</b>	Rational Numbers, Exponents & Power, Squares & Square Roots, Cubes & Cube Roots, Factorisation, Algebraic Identities, Time & Work
	<b>SCIENCE</b>	<b>PHYSICS</b> - Force & Pressure, Friction, Sound, Chemical Effects of Electric Current <b>CHEMISTRY</b> - Synthetic Fibres & Plastics, Metals & Non Metals, Coal & Petroleum <b>BIOLOGY</b> - Crop Production and Management, Microorganisms: Friend and Foe, Conservation of Plants and Animals, Cell - Structure & Function
IX	<b>MATHEMATICS</b>	Number System, Polynomials, Lines & Angles, Co- Ordinate Geomtry, Exponents & Real Numbers, Rationalisation, Algebraic Identities, Triangles & Angles with Congruency, Heron's Formula, Probability, Statistics
	<b>SCIENCE</b>	<b>PHYSICS</b> - Motion, Force and Laws of Motion, Gravitation, Work and Energy <b>CHEMISTRY</b> - Matter in Our Surrounding, Is Matter Around Us Pure <b>BIOLOGY</b> - Cell: The Fundamental Unit of Life, Tissue, Diseases: Why Do We Fall Ill
X	<b>MATHEMATICS</b>	Real Numbers, Polynomials, Airthmetic Progression, Trigonometry and Its Applications, Co-Ordinate Geometry, Linear Equation in Two Variables, Quadratic Equations, Triangles, Probability
	<b>SCIENCE</b>	<b>PHYSICS</b> - Light - Reflection and Refraction, Electricity, Magnetic Effect of Electric Current, Natural Resources <b>CHEMISTRY</b> - Chemical Reactions and Equation, Acids, Bases and Salts, Metals & Non-metals <b>BIOLOGY</b> - Life Processes, Control and Coordination in Animals and Plants, Reproduction

<b>XI</b>	<b>MATHEMATICS</b>	Sets Theory, Binomial Theorem, Sequences Series, Straight Line, Complex Number, Solution of Triangle, Permutation and Combination.
	<b>PHYSICS</b>	Units and Measurements, Motion in a Straight Line, Motion in a Plane, Laws of Motion, Work, Energy and Power, Rotational Motion
	<b>CHEMISTRY</b>	Some Basic Concepts of Chemistry, Structure of Atom, Classification of Elements and Periodicity in Properties, Chemical Bonding and Molecular Structure, s - block Elements, Equilibrium
	<b>BIOLOGY</b>	BOTANY - The Living World, Biological Classification, Plant Kingdom, Morphology of Flowering Plant, Cell - The Unit of Life, Cell Cycle and Cell Division ZOOLOGY - Animal Kingdom, Structural Organisation in Animals, Biomolecules
<b>XII</b>	<b>MATHEMATICS</b>	Functions, Limit, Continuity, Differentiation, Matrices and Determinants, Differentiability, Indefinite & Definite Integral, Area & Curve, Differential Equation
	<b>PHYSICS</b>	Electrostatics, Current Electricity, Magnetic Effect of Current, EMI & AC, Electromagnetic Wave
	<b>CHEMISTRY</b>	Solid State, Liquid Solutions, Electro-Chemistry, Metallurgy, Coordination Compound, P - Block, Alcohol, Phenol and Ether, Aldehyde, Ketone and Acid, Chemical Kinetics
	<b>BIOLOGY</b>	BOTANY - Reproduction in Organism, Sexual Reproduction in Flowering Plants, Principles of Inheritance and Variation, Molecular Basis of Inheritance. ZOOLOGY - Human Reproduction, Reproductive Health, Evolution, Human Health and Diseases
<b>XII+</b>	<b>MATHEMATICS</b>	Full Syllabus of Class XII
	<b>PHYSICS</b>	Full Syllabus of Class XII
	<b>CHEMISTRY</b>	Full Syllabus of Class XII
	<b>BIOLOGY</b>	Full Syllabus of Class XII