

**Class-wise/Course-wise Syllabus for Admission-Cum-Scholarship Test (ACST)
to be held on 15/10/2023**

Class - 9th (Foundation Course)

Sl. No.	Science (Class 8 th)	Maths (Class 8 th)
1	Crop Production and Management	Rational Numbers
2	Micro-Organisms: Friend and Foe	Linear Equations in One Variable
3	Coal and Petroleum	Understanding Quadrilaterals
4	Combustion and Flame	Squares and Square Roots
5	Conservation of Plants and Animals	Cubes and Cube Roots

Class - 10th (Foundation Course)

Sl. No.	Science (Class 9 th)	Maths (Class 9 th)
1	Matter in Our Surroundings	Number Systems
2	Is Matter Around Us Pure?	Polynomials
3	The Fundamental Unit of Life	Coordinate Geometry
4	Tissues	Linear Equations in Two Variables
5	Motions	Introduction to Euclid's Geometry
6	Force and Laws of Motion	Lines and Angles

Class - 11th (Two Year Classroom Program – NEET & IIT-JEE)

Sl. No.	Science (Class 10 th)	Maths (Class 10 th)
1	Chemical Reactions & Equations	Real Numbers
2	Acids, Bases & Salts	Polynomials
3	Metals & Non-Metals	Pair of Linear Equations in Two Variable
4	Life Processes	Quadratic Equations
5	Control & Coordination	Triangles
6	How do Organisms Reproduce?	Arithmetic Progression
7	Light – Reflection & Refraction	Coordinate Geometry
8	Human Eye & Colorful World	Introduction to Trigonometry

Class - 12th (One Year Classroom Program – NEET)

Sl. No.	Physics (Class 11th)
1	Units and Measurement
2	Motion in a Straight Line
3	Motion in a Plane
4	Laws of Motion
5	Work, Energy and Power
6	System of Particles and Rotational Motion
7	Gravitation
Sl. No.	Chemistry (Class 11th)
1	Some Basic Concepts of Chemistry
2	Structure of Atom
3	Classification of Elements and Periodicity in Properties
4	Chemical bonding and Molecular Structure
5	Thermodynamics
6	Equilibrium
Sl. No.	Biology (Class 11th)
1	Diversity in the Living World
2	Structural Organisation in Plants and Animals
3	Structure and Functions

Class - 12th (One Year Classroom Program – IIT-JEE)

Sl. No.	Maths (Class 11th)
1	Sets
2	Relations and Functions
3	Trigonometric Function
4	Complex Numbers and Quadratic Equations
5	Linear Inequalities
6	Permutations and Combinations
7	Binomial Theorem
Sl. No.	Physics (Class 11th)
1	Units and Measurement
2	Motion in a Straight Line
3	Motion in a Plane
4	Laws of Motion
5	Work, Energy and Power
6	System of Particles and Rotational Motion
7	Gravitation



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Sl. No.	Chemistry (Class 11th)
1	Some Basic Concepts of Chemistry
2	Structure of Atom
3	Classification of Elements and Periodicity in Properties
4	Chemical bonding and Molecular Structure
5	Thermodynamics
6	Equilibrium