Assam CEE 2025 Syllabus

Name of the subject	Topics
Mathematics	- Permutations and Combinations - Binomial Theorem and Its Applications - Sets, Relations, and Functions - Binomial Theorem and Its Applications - Differential Calculus - Dynamics - Sequences and Series - Three Dimensional Geometry - Statics - Trigonometry - Mathematical Induction and Its Application - Vector Algebra - Permutations and Combinations - Complex numbers - Differential Equations - Integral Calculus - Two-Dimensional Geometry - Measures of Central Tendency and Dispersion - Dynamics - Matrices and Determinants
Physics	- Work, Energy, and Power - Electrostatics - Atoms, Molecules and Nuclei - Current Electricity - Rotational Motion and Moment of Inertia - Units and Measurement - Thermal and Chemical Effects of Currents - Electromagnetic Waves - Solids and Semi-Conductors Devices - Units and Measurement - Description of Motion in Two and Three Dimensions - Transference of Heat - Solids and Semi-Conductors Devices - Waves - Laws of Motion - Solids and Fluids - Oscillations - Electromagnetic Induction and Alternating Currents - Atoms, Molecules, and Nuclei - Ray Optics

	⓾	Description of Motion in One Dimension
Chemistry	⓾ Some Basic Concepts ⓾ Redox Reactions and Electrochemistry ⓾ States of Matter ⓾ Chemical Energetics and Thermodynamics ⓾ Rates of Chemical Reactions and Chemical Kinetics ⓾ Chemistry of Non-metals-II ⓾ Chemistry of Lighter Metals ⓾ Heavy Metals ⓾ Coordination Chemistry and Organo-Metallics ⓾ Some Basic Principles ⓾ Organic Compounds Containing Nitrogen ⓾ Chemistry In Action ⓾ Hydrocarbons ⓾ Atomic Structure ⓾ Surface Chemistry ⓾ Chemical Equilibrium ⓾ Surface Chemistry ⓾ Chemistry of Non-Metals – 1 ⓾ Chemical Bonding and Molecular Structure ⓾ Chemistry of Representative Elements ⓾ Transition Metals Including Lanthanides ⓾ Purification and Characterisation of Organic Compounds ⓾ Organic Compound Containing Halogens ⓾ Synthetic and Natural Polymers ⓾ Environmental Chemistry	