

Assam CEE Syllabus

Assam CEE Physics Syllabus:

- Units and Measurement
- Motion in Two or Three Dimension
- Laws of Motion
- Work Energy and Power
- Motion in One Dimension
- Rotational Motion & Moment of Inertia
- Solids and Fluids
- Gravitation
- Oscillations added in Assam CEE Syllabus
- Waves
- Transference of Heat
- Current Electricity
- Thermal and Chemical Effects of Currents
- Electrostatics added in Assam CEE Syllabus
- Magnetic Effects of Currents
- Heat and Thermodynamics
- Electromagnetic Induction & Alternating Currents
- Electromagnetic Waves
- Electron and Photons
- Magneto statics
- Atoms
- Wave Optics
- Ray Optics
- Molecules & Nuclei
- Solids & Semiconductors Devices

Assam CEE Mathematics Syllabus

- Sets
- Arithmetic-Geometric Series
- Heights and Distances
- Complex Number
- Applications for approximation added in Assam CEE Syllabus
- Lagrange's Mean Value Theorems
- Arithmetic Geometric & Harmonic Progression
- Binomial theorems & its Applications
- Calculation of mean median & mode of grouped & ungrouped data
- Family of Circles
- Combination
- Conic Section
- Differential Equation
- Integration using trigonometric identities
- Binomial and Poisson distribution
- Differential Calculus added in Assam CEE Syllabus
- Fundamental Integrals
- Integral as limit of a sum
- Motion under Gravity

- Relation between roots & coefficient numbers
- Law of Motion Projectile
- Sphere Integral Calculus
- Polynomials Matrices & determinants
- Quadratic equation

Assam CEE Chemistry Syllabus

- Some Basic Concepts
- Solutions
- States of Matters
- Chemical energetic and Thermodynamics
- Atomic Structure
- Chemical Equilibrium
- Redox Reactions & Electro Chemistry
- Surface Chemistry
- Chemical Families –
- Periodic Properties Chemistry of Non-Metals (I)
- Chemistry of Non-Metals (II)
- Heavy Metals
- Chemistry of Representative Elements
- Alkaline Earth Metals added in Assam CEE Syllabus
- Rates of Chemical Reactions &
- Chemical Kinetics
- Boron Family
- Carbon Family
- Alkali Metals
- Nitrogen Family
- Oxygen Family
- Halogen Family added in Assam CEE Syllabus
- Transition Metal including Lanthanides
- Nuclear Chemistry
- Some Basic Principles
- Classification of Organic Compounds
- Noble Gases & Hydrogen
- Organic Compounds containing Oxygen
- Organic Compounds containing Halogens
- Hydrocarbons Synthetic & Natural Polymers
- Bio Molecules and Biological Processes
- Organic Compounds containing Nitrogen
- Chemistry in Action and Environmental Chemistry.

Assam CEE Exam pattern

- The total number of question that comes in the exam is 100
- Maximum marks out of which candidates score is calculated is 100
- Question type is objective in nature
- Total duration of the exam is 2 hours
- There will be no negative marking scheme in Assam CEE.

<u>Section</u>	<u>Number of questions</u>	<u>Marks allotted</u>
Mathematics	40	160

Physics	40	160
Chemistry	40	160

