

Assam Science and Technology University



Assam CEE Exam Pattern

Subjects	Questions	Time & Total Marks
Mathematics	40 Questions	3 Hours & 480 Marks
Physics	40 Questions	
Chemistry	40 Questions	

Assam CEE Exam Syllabus - Section Wise

Assam CEE Maths Syllabus

- Differential equations
- Sequences and series
- Permutations and combinations
- Three-dimensional geometry
- Vector algebra
- Binomial theorem and its simple applications
- Statistics and probability
- Trigonometry
- Limit, continuity, and differentiability
- Mathematical reasoning
- Integral calculus
- Mathematical induction
- Sets, relations, and functions
- Complex numbers and quadratic equations
- Matrices and determinants
- Co-ordinate geometry

Assam CEE Physics Syllabus

- communication systems
- electromagnetic induction and alternating currents
- rotational motion
- physics and measurement
- kinematics
- current electricity
- laws of motion
- dual nature of matter and radiation
- thermodynamics
- work, energy, and power
- atoms and nuclei
- electromagnetic waves
- gravitation
- optics
- properties of solids and liquids
- kinetic theory of gases
- electronic devices
- oscillations and waves
- <https://www.freshersnow.com/syllabus/>
- magnetic effects of current and magnetism
- electrostatics

Assam CEE Chemistry Syllabus

- chemical kinetics
- general principles and processes of isolation of metals
- d – and f – block elements
- some basic concepts in chemistry
- redox reactions and electrochemistry
- chemical bonding and molecular structure
- purification and characterization of organic compounds
- organic compounds containing nitrogen
- some basic principles of organic chemistry
- solutions
- chemical thermodynamics

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- surface chemistry
- biomolecules
- organic compounds containing halogens
- chemistry in everyday life
- organic compounds containing oxygen
- principles related to practical chemistry
- equilibrium
- atomic structure
- coordination compounds
- s – block elements (alkali and alkaline earth metals)
- environmental chemistry
- organic chemistry
- classification of elements and periodicity in properties
- p – block elements
- states of matter
- hydrogen
- polymers
- hydrocarbons