KCET Syllabus 2025 with Subject and Topics

KCET Physics Syllabus 2025

Topics from First-Year PUC	Topics from Second-Year PUC
Physical World	Electric Charges and Fields
Units and Measurements	Electrostatic Potential and Capacitance
Motion in a Straight Line	Current Electricity
Laws of Motion	Moving Charges and Magnetism
Work, Energy & Power	Magnetism and Matter
Systems of Particles and Rotational Motion	Electromagnetic Induction
Gravitation	Alternating Current
Mechanical Properties of Solids	Electromagnetic Waves
Mechanical Properties of Fluids	Ray Optics and Optical Instruments
Thermal Properties of Matter	Wave Optics
Thermodynamics, Kinetic Theory	Dual Nature of Radiation and Matter
Oscillations	Atoms, Nuclei, Semiconductor Electronics, Communication Systems
Waves	

KCET Chemistry Syllabus 2025

Topics from First-Year PUC	Topics from Second-Year PUC
Some Basic Concepts of Chemistry	Solid State
Structure of Atom	Solutions
Classification of Elements and Periodicity in Properties	Electrochemistry
Chemical Bonding and Molecular Structure States of Matter Gases and Liquids Thermodynamics	Chemical Kinetics, Surface chemistry
Equilibrium	General Principles and Processes of Isolation of Elements
Redox reactions	p-Block Elements
Hydrogen	d and f Block Elements
s – Block Elements	Coordination Compounds
Some p – Block Elements	Haloalkanes and Haloarenes
Organic Chemistry – Some basic principles & Techniques	Alcohols
Hydrocarbons	Phenols and Ethers
Environmental chemistry	Aldehydes
	Ketones and Carboxylic acids
	Organic Compounds Containing Nitrogen Biomolecules
	Polymers
	Chemistry in Everyday Life

KCET Mathematics Syllabus 2025

Topics from First-Year PUC	Topics from Second-Year PUC
Sets, Relations & Functions	Relations & Functions
Trigonometric Functions	Inverse Trigonometric functions
Principle of Mathematical Induction	Matrices
Complex numbers and Quadratic equations Linear Inequalities	Determinants
Permutations and Combination	Continuity and Differentiability
Binomial Theorem	Application of Derivatives
Sequence & Series	Integrals
Straight Lines	Application of Integrals
Conic Sections	Differential Equations
Introduction to 3D-Geometry	Vector Algebra
Limits & Derivatives	Three Dimensional Geometry
Mathematical Reasoning	Linear Programming
Statistics	Probability
Probability	