

KCET II PUC Syllabus

Physics (II PUC)

- Electrostatics
- Current Electricity
- Moving Charges and Magnetism
- Magnetism and Matter
- Electromagnetic Induction
- Alternating Current
- Electromagnetic Waves
- Ray Optics and Optical Instruments
- Wave Optics
- Dual Nature of Radiation and Matter
- Atoms
- Nuclei
- Semiconductor Electronics: Materials, Devices and Simple Circuits
- Communication Systems

Chemistry (II PUC)

- Solid State
- Solutions
- Electrochemistry
- Chemical Kinetics
- Surface Chemistry
- The p-Block Element
- The d- and f-Block Elements
- Coordination Compounds
- Haloalkanes and Haloarenes
- Alcohols, Phenols and Ethers
- Aldehydes, Ketones and Carboxylic Acids

- Organic Compounds Containing Nitrogen
- Biomolecules
- Polymers
- Chemistry in Everyday Life

Mathematics (II PUC)

- Relations and Functions
- Inverse Trigonometric Functions
- Matrices
- Determinants
- Continuity and Differentiability
- Applications of Derivatives
- Integrals
- Applications of the Integrals
- Differential Equations
- Vector Algebra
- Three-Dimensional Geometry
- Linear Programming
- Probability

Biology (II PUC) (For Biology stream students)

- Reproduction
- Genetics and Evolution
- Biology and Human Welfare
- Biotechnology and Its Applications
- Ecology and Environment