



Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category A by MHRD)
Re-accredited with A++ Grade by NAAC. CGPA 3.65/4, Category I by UGC

School of Engineering

(Approved by AICTE)

Varapalayam, Chinna Thadagam Post, Coimbatore – 641 108

HSC Syllabus for Avinashilingam Engineering Entrance Examination (AEEE – 2024)

Date: 28.04.2024

Time: 10.00 am – 12.00 pm

Total Marks: 100

Mathematics

Application of Matrices and Determinants, Complex numbers, Theory of equations, Inverse Trigonometric functions, Two dimensional Analytical Geometry – II, Applications of Vector Algebra, Applications of Differential Calculus, Differentials and Partial Derivatives, Application of Integration, Ordinary Differential Equations, Probability Distribution, Discrete Mathematics.

Physics

Electrostatics, Current Electricity, Magnetism and magnetic effects of electric current, Electromagnetic Induction and Alternating current, Electromagnetic waves, Ray Optics, Wave Optics, Dual Nature of Radiation and Matter, Atomic and Nuclear physics.

Chemistry

Metallurgy, p-Block Elements- I, p-Block Elements- II, Transition and Inner Transition Elements, Coordination Chemistry, Solid State, Chemical Kinetics, Ionic Equilibrium, Electro Chemistry, Surface Chemistry, Hydroxy Compounds and Ethers, Carbonyl Compounds and Carboxylic Acids, Organic Nitrogen Compounds, Biomolecules, Chemistry in Everyday Life.