

BEEE Syllabus

English

As per the Intermediate (10+2) Second Year Syllabus.

Mathematics

SETS, RELATIONS AND FUNCTIONS	COMPLEX NUMBERS AND QUADRATIC EQUATIONS
MATRICES AND DETERMINANTS	PERMUTATIONS AND COMBINATIONS
MATHEMATICAL INDUCTION	TRIGONOMETRY
SEQUENCES AND SERIES	Straight Line in two Dimensions
INTEGRAL CALCULUS	Circle in Two Dimensions
DIFFERENTIAL EQUATIONS	Conic Section in Two Dimensions
Probability	STATISTICS AND PROBABILITY
Quadratic Equation	Applications of DIFFERENTIAL CALCULUS
VECTOR ALGEBRA	Measure of central Tendency and Dispersion

Physics

Unit and measurement	Mechanics
Ray and electromagnetism and waves optics	Gravitation
Dual nature of matter and nuclear physics	Atoms physics and relativity
Electronic & communication	Heat & thermodynamics
Electricity & magnetism	Oscillations and waves

Chemistry

Some Basic Concepts in Chemistry	States of Matters
Chemical Families-Periodic Properties	Atomic Structure
Chemical Bonding and Molecular Structure	Solutions
Chemical Equilibrium	Electrochemistry

Surface Chemistry, Chemical Kinetics and Catalysis	Some basic Principles of organic chemistry
Hydrocarbons	Organic Compound Containing Nitrogen
Organic Compound Containing Oxygen	Chemistry in Everyday Life
Polymer	

Biology

Botany	
Taxonomy of Angiosperm	Plant Anatomy
Cell Biology and Genetics	Biotechnology
Plant Physiology	Biology in Human Welfare
Zoology	
Human Physiology Nutrition	Respiration
Physiological Coordination System	Receptor Organ
Reproductive System	Microbiology
Immunology	Modern Genetics and Animal Biotechnology
Environmental Science	Applied Biology
Theories of Evolution	