

Class – XI
DELETED SYLLABUS
(For the Session of 2020-21 Only)
PHYSICS
(THEORY)

Unit I: Physical World and Measurement

Physics - scope and excitement; nature of physical laws; Physics, technology and society.

Unit II: Kinematics

Frame of reference. Motion in a straight line: Position-time graph, speed and velocity.

Unit III: Laws of Motion

Intuitive concept of force. Inertia, Newton's first law of motion; momentum and Newton's second law of motion; impulse; Newton's third law of motion.

Unit V: Motion of System of Particles and Rigid Body

Statement of parallel and perpendicular axes theorems and their applications.

Unit VI: Gravitation

Keplar's laws of planetary motion. Acceleration due to gravity

Unit VII: Properties of Bulk Matter

Elastic behaviour, Shear, modulus of rigidity, Heat, temperature, Heat transfer-conduction, convection and radiation.

Unit VIII: Thermodynamics

Heat engines and refrigerators.

Unit X: Oscillations and Waves

Fundamental mode and harmonics, Doppler effect.