

DELETED PORTION

PHYSICS - 042

CLASS XI

Topics
Chapter-1: Physical World Physics-scope and excitement; nature of physical laws; Physics, technology and society (To be discussed as a part of Introduction and integrated with other topics)
Chapter-3 : Motion in a straight line Frame of reference, Motion in a straight line: Position-time graph, speed and velocity
Chapter-5 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
Chapter-7 System of Particles and Rotational Motion Statement of parallel and perpendicular axes theorems and their applications.
Chapter-8 Gravitation Kepler's laws of planetary motion, Acceleration due to gravity
Chapter-9 Mechanical Properties of Solids Elastic behaviour, shear modulus of rigidity, Poisson's ratio; elastic energy.
Chapter-11 Thermal properties matter Heat, temperature, Heat transfer-conduction, convection and radiation
Chapter-12 Thermodynamics Heat engine and refrigerator.
Chapter-15 Waves fundamental mode and harmonics, Doppler effect.
Practicals: No investigatory project and Activity to be demonstrated 8 experiments (clubbed based on skills) in place of 12