

CLASS –XI(B3)

CLASSES REQUIRED	20
TOPICS	Oscillations and Wave-Motion.
CONCEPTS	Simple Harmonic Motion, Damped Harmonic Motion, Forced Oscillations and Resonance, Relation between Simple Harmonic Motion and Uniform Circular Motion, Sinusoidal transverse waves (Travelling and Standing), Sinusoidal Longitudinal waves (Travelling and Standing), The Speed of Sound, Laplace Correction, Beats, The Doppler Effect in Sound.
LEARNING OUTCOMES	The students will be able to solve and answer the concerned relevant questions.
INSTRUCTIONAL TOOLS & REFERENCES	Smart Board, NCERT Text Book, Physics by Resnick and Halliday.
PEDAGOGY	Lecture Method.
ACTIVITY / ASSIGNMENT / RESEARCH	Problems based on the mentioned concepts.
ASSESSMENT	Unit and Term Tests.
SYLLABUS FOR FORMATIVE & SUMMATIVE ASSESSMENT	Gravitation, Mechanics of Solids and Fluids, Heat and Thermodynamics, Motion of systems of particles and Rotational Motion of a Rigid Body.

DATED:05-11-2015