4	8.	3rd ,4th week of october	Rotational Motion	Translational and rotational motions with examples.	R1, R2, R3 and R4
				Definition of torque and angular momentum and their examples.	
				Conservation of angular momentum (quantitative) and its applications.	
				Moment of inertia and its physical significance, radius of gyration for rigid body, Theorems of parallel and perpendicular axes (statements only),	
				Moment of inertia of rod, disc, ring and sphere (hollow and solid): (Formulae only).	
				Revision of whole Chapter	
5	9.	5th week of october and 1st,2nd week of november	Properties of Matter	Elasticity: Definition of stress and strain,	R1, R2, R3 and R4
				different types of modulii of elasticity, Hooke's law,	
				significance of stress-strain curve.	
				Pressure: definition, units, atmospheric pressure, gauge pressure, absolute pressure.	
				Fortin's Barometer and its applications.	
				Surface tension: concept, units, cohesive and adhesive forces, angle of contact,	
				Ascent Formula (No derivation), applications of surface tension, effect of temperature and impurity on surface tension	
				Revision of whole Chapter	
6	8	3rd ,4th week of November	Heat and Thermometry	Concept of heat and temperature.	R1, R2, R3 and R4
				Modes of heat transfer (conduction, convection and radiation with examples),	
				scales of temperature and their relationship,	
				Types of Thermometer (Mercury thermometer, bimetallic thermometer, Platinum resistance thermometer, Pyrometer) and their uses.	
				Expansion of solids, liquids and gases.	
				coefficient of linear, surface and cubical expansions and relation amongst them.	
				Co-efficient of thermal conductivity.	
				Revision of whole Chapter	

REFERENCE RESOURCES

- Applied -Physics-I by R.A. Banwat {R1}
- Khanna Publications {Hindi Medium}(A.P.-I) {R2}
- Modern ABC of Physics-I {R3}
- Katson Publications (A.P.-I) {R4}
- Wikipedia, edX, ed-tech, flipgurd, Ted etc.

Signature of Teacher with Date

(Chrotam Singh Dogra)

for \Grm

Signature of H.O.D. with Date