

**A.I.W.C. (Academy of Excellence), JSR.**  
**Session 2025-26**  
**Class XI**

**Physics Monthly Portion Bifurcation**  
**NCERT PART 1 & PART 2**

Month	Chapter No. & Name	Working Days	Portion	Teacher's Signature & Remark
April	(1) Units & Measurements	15	Dimensional Analysis, Errors & Dimensional formulae	Completed
May	(2) Motion in a Str. Line	17	Graphs, equations of motion, numericals, Theory of motion.	Completed
June	(3) & (4) Motion in a Plane and Laws of Motion	17	Vectors, Laws of vectors, addition & subtraction, Newton's Laws, Recoil Velocity	Completed
July	(4) & (5) Laws of Motion, Work, Energy & Power	25	Recoil, Friction, Lift, Angle of repose, Circular motion, Banking of roads.	
August	(6) Rotational Motion	24	Radius of gyration, Centre of Mass, Centre of Gravity, Moment of Inertia, Angular Momentum	
September	(7) Gravitation (8) Mech. Prop of Solids	20	Newton's laws, gravitational potential & orbital radius, elasticity, Young's modulus, Poisson's ratio.	
October	(9) Fluid Properties	21	Viscosity, surface tension, Bernoulli's principle, pressure & thrust.	
November	(10) Thermal Properties (11) Thermodynamics	24	Calorimetry, cooling laws expansions, Latent Heat, CP & CV, Laws of T.D.	
December	(12) Kinetic Theory (13) Oscillations	20	Newton's laws of cooling, equations, $y = a \sin(\omega t + \phi)$ etc.	
January	(14) Waves & revision	19	Simple Harmonic motion, equations, superimpositions beats & sonometer, graphs.	
February	Revision	-	-	

Term I : Till gravitation (Ch.7)

Term II: Full portion (Ch.1 – Ch. 14)