

**AIWC ACADEMY OF EXCELLENCE**

**Session 2026-27**

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

<b>Class -11</b>	<b>Subject-Physics</b>
<b>(1)Units &amp; Measurements</b>	<b>Dimensional Analysis, Errors &amp; Dimensional formulae</b>
<b>(2)Motion in Straight Line</b>	<b>Graphs, equations of motion, numericals, Theory of motion</b>
<b>(3) &amp; (4) Motion in a Plane and Laws of Motion</b>	<b>Vectors, Laws of Vectors, addition &amp; subtraction, Newton's Laws, Recoil Velocity</b>
<b>(4) &amp; (5) Laws of Motion, Work, Energy &amp; Power</b>	<b>Recoil, Friction, Lift, Angle of repose, Circular motion, Banking of roads</b>
<b>(6)Rotational Motion</b>	<b>Radius of gyration, Centre of Mass, Centre of Gravity, Moment of Inertia, Angular Momentum</b>
<b>(7) Gravitation (8) Mech. Prop of Solids</b>	<b>Newton's Laws, gravitational potential &amp; orbital radius, elasticity, Young's modulus, Poisson's ratio</b>
<b>(9) Fluid Properties</b>	<b>Viscosity, surface tension, Bernoulli's principle, pressure &amp; thrust.</b>
<b>(10) Thermal Properties (11) Thermodynamics</b>	<b>Calorimetry, cooling laws expansions, Latent Heat, CP &amp; CV, Laws of T.D.</b>
<b>(12)Kinetic Theory (13) Oscillations</b>	<b>Newton's laws of cooling, equations, <math>y = a\sin(\omega t + \phi)</math> etc.</b>
<b>(14) Waves &amp; Revision</b>	<b>Simple Harmonic motion, equations, superimpositions beats &amp;sonometer, graphs.</b>
<b>Revision</b>	<b>-</b>

**Term I : Till Gravitation (Ch.7)**

**Term II: Full portion (Ch. 1 – Ch. 14)**