

Physics

Recommended Time Table

Class-9

Chapter Names	Concepts
1. Measurement (5 hours)	<ul style="list-style-type: none"> • Physical Quantities • Types • Systems of units (1 hour) • Measurement of length - Vernier callipers (1 hour) • Screw gauge (1 hour) • Mass • Weight • Density • R.D. Laws of simple pendulum, (1 hour) • Significant figures (1 hour) • Problems (1 hour) • Doubts Clarification (1 hour)
2. Motion in one Dimension (5 hours)	<ul style="list-style-type: none"> • Rest • Motion • Types of Motion (1 hour) • Equations of motion • Graphs and its types (1 hour) • Problems (2 hours) • Doubts Clarification (1 hour)
3. Newton's Laws of Motion (6 hours)	<ul style="list-style-type: none"> • Newton's I and II laws of motion (1 hour) • Newton's III law • Applications • Contact forces (1 hour) • Problems and exercises (3 hours) • Doubts Clarification (1 hour)
4. Work, Power & Energy (3 hours)	<ul style="list-style-type: none"> • Work • Different types • Power and Energy, their types (1 hour) • Problems and exercises (1 hour) • Doubts Clarification (1 hour)
5. Turning Forces & Equilibrium (4 hours)	<ul style="list-style-type: none"> • Moment of force • Couple • CG and Stability (1 hour) • Problems and Exercises (2 hours) • Doubts Clarification (1 hour)
6. Gravitation (5 hours)	<ul style="list-style-type: none"> • Kepler's laws • Newton's Universal Law of gravitation (g), (1 hour) • Factors influencing (g) • Orbital and escape velocity (1 hour) • Problems (2 hours) • Doubts Clarification (1 hour)
7. Fluid Pressure (6 hours)	<ul style="list-style-type: none"> • Thrust • Pressure • Pascal's law (1 hour) • Archimedes' principle (1 hour) • Problems and Exercises (3 hours) • Doubts Clarification (1 hour)
8. Heat (5 hours)	<ul style="list-style-type: none"> • Scales of temperature • Transmission of heat (1 hour) • Thermal expansion (1 hour) • Problems and Exercises (2 hours) • Doubts Clarification (1 hour)
9. Wave Motion & Sound (5 hours)	<ul style="list-style-type: none"> • Types of waves • Factors affecting speed of sound (2 hours) • Classification of sound • Echo (2 hours) • Problems and Exercises (2 hours) • Doubts Clarification (1 hour)
10. Magnetism (6 hours)	<ul style="list-style-type: none"> • Magnetism, Terms related to it • Terrestrial magnetism (1 hour) • Inverse square law of magnetism on axial and equatorial line (1 hour) • Problems and Exercises (3 hours) • Doubts Clarification (1 hour)

Term - 1 (MCQ's: 50)

Physics: Chapters. 1 to 5

Term - 2 (MCQ's: 50)

Physics: Chapters. 1 to 8

Term - 3 (MCQ's: 50)

Physics: Chapters. 1 to 10

Chapter Names	Concept	Problems	Total No.of hours
1. Measurement	3	2	5
2. Motion in one Dimension	2	3	5
3. Newton's Laws of Motion	2	4	6
4. Work, Power & Energy	1	2	3
5. Turning Forces and Equilibrium	1	3	4
6. Gravitation	3	2	5
7. Fluid Pressure	2	4	6
8. Heat	2	3	5
9. Wave Motion and Sound	2	3	5
10. Magnetism	2	4	6