

Physics

Recommended Time Table

Class-8

Chapter Names	Concepts
1. Measurement (6 hours)	<ul style="list-style-type: none"> • Physical Quantities • Standard unit • Types • Rules (2 hours) • Measurement of length (1 hour) • Measurement of Area • Volume • Mass • Time (2 hours) • Problems and exercises (1 hour) • Doubts Clarification
2. Force and Friction (6 hours)	<ul style="list-style-type: none"> • Force • Effects of force • Mass • Weight (1 hour) • Friction • Types (1 hour) • Normal reaction • Effects of friction • Advantages and disadvantages (1 hour) • Problems and exercises (2 hours) • Doubts Clarification (1 hour)
3. Simple Machines (6 hours)	<ul style="list-style-type: none"> • Simple machines • Their kinds • Terms used (1 hour) • Levers • Types of levers • Pulley (1 hour) • Wheel and axle • Inclined plane • Wedge • Screw (1 hour) • Problems and exercises (2 hours) • Doubts Clarification (1 hour)
4. Fluid Pressure (7 hours)	<ul style="list-style-type: none"> • Thrust, Pressure • Types of fluid pressure (1 hour) • Derivation of expression for pressure (1 hour) • Total pressure • Atmospheric pressure (1 hour) • Pascal's law, Applications (1 hour) • Bramah press (1 hour) • Problems and exercises (2 hours) • Doubts Clarification (1 hour)
5. Heat (5 hours)	<ul style="list-style-type: none"> • Temperature • Calorimetry (1 hour) • Specific heat • Heat capacity (1 hour) • Conductors • Insulators • Change of State (1 hour) • Problems and Exercises (1 hour) • Doubts Clarification (1 hour)
6. Sound (5 hours)	<ul style="list-style-type: none"> • Classification and Application of sound waves (1 hour) • Speed of Sound in solids • liquids • gases (1 hour) • Reflection of sound • Its applications (1 hour) • Characteristics of sound • Music and Noise (1 hour) • Problems and Exercises (1 hour) • Doubts Clarification (1 hour)
7. Light (6 hours)	<ul style="list-style-type: none"> • Sources of light • Definitions related to light (1 hour) • Reflection • Terms related to it • Laws of reflection (1 hour) • Plane mirror • Its characteristics (1 hour) • Reflecting periscope • Human eye (1 hour) • Problems and Exercises (1 hour) • Doubts Clarification (1 hour)
8. Basics of Electromagnetism (4 hours)	<ul style="list-style-type: none"> • Magnets their properties • Types • Methods of magnetisation (1 hour) • Magnetic field • Lines of force • Electromagnetism (1 hour) • Problems and Exercises (1 hour) • Doubts Clarification (1 hour)

Chapter Names	Concepts
9. Chemical Effects of Electric Current (3 hours)	<ul style="list-style-type: none"> • Good and Bad Conductors • Electrolysis • Terms related (1 hour) • Exercises (1 hour) • Doubts Clarification (1 hour)
10. Natural Phenomenon (2 hours)	<ul style="list-style-type: none"> • Types of Charges • Properties • Electrification (1 hour) • Electroscope • Lightning • Earth quake (1 hour) • Exercise and doubts Clarification

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	Concept	Problems	Total No. of hours
1. Measurement	3	3	6
2. Force & Friction	3	3	6
3. Simple Machines	3	3	6
4. Fluid Pressure	4	3	7
5. Heat	3	2	5
6. Sound	3	2	5
7. Light	4	2	6
8. Basics of Electromagnetism	2	2	4
9. Chemical Effects of Electric Current	1	2	3
10. Natural Phenomenon	1	1	2