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this comprehensive guide is designed to be an invaluable resource for students of physics in classes 11 and 12 it meticulously covers 70 key topics providing a concise yet thorough understanding of fundamental concepts and their mathematical representation key features 70 essential topics covers a wide range of topics including mechanics kinematics laws of motion work power energy rotational motion gravitation properties of matter elasticity surface tension viscosity thermodynamics heat temperature laws of thermodynamics kinetic theory of gases oscillations and waves simple harmonic motion wave motion sound waves light waves electrostatics electric charge electric field electric potential capacitance current electricity electric current ohm s law kirchhoff s laws electrical circuits magnetic effects of current and magnetism magnetic field magnetic force electromagnetic induction electromagnetic waves electromagnetic spectrum properties of electromagnetic waves optics

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