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Physics Class Notes for XI and XII

General Physics

- Units and Dimensions
- Moment Of Inertia
- Relative Velocity
- Conservation Of Momentum
- Collision
- Friction
- Law Of Friction
- Simple Harmonic Motion
- Deflection
- Phase Velocity/Acceleration/Time Period
- Phase
- Composition Of Linear SHM
- Composition Of Colligonal SHM
- Simple Pendulum
- Compound Pendulum

Optics

- Reflection
- Ray Optics: Lens, Mirror, Refraction
- Refraction
- Marked Sign Conventions
- Refraction At Single Spherical Surface
- Refraction At Double Spherical Surface
- Two Positions Of Lenses
- Power Of Lenses
- Equivalent Focal Length
- Refraction Through Prism
- Simple Microscope
- Compound Microscope
- Telescope
- Terrestrial Telescope
- Interference: Youngs Exp
- Wave Theory Of Light
- Wavelength
- Law Of Reflection By Wave Theory

Electromatics

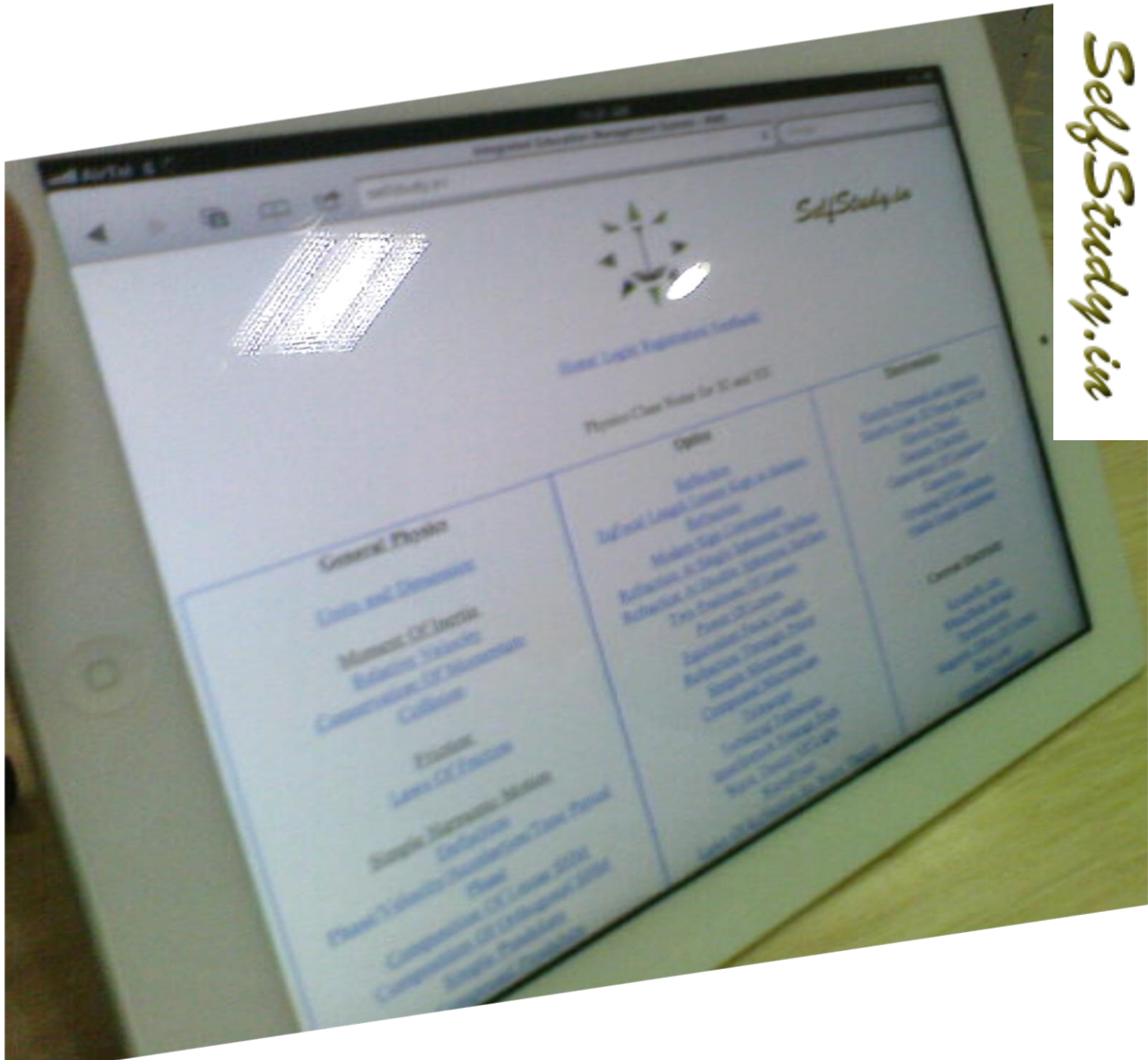
- Electrostatics and Current
- Electric Lines Of Force and Flux
- Electric Fields
- Capacitors
- Capacitance Of Condensers
- Capacitors
- Combining Of Capacitors
- Variable Length Condenser
- Current Electricity
- Resistor Law
- Wheatstone Bridge
- Transistors
- Magnetic Effect Of Current
- Boys Law
- Ampere Experiment

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Physics Class Notes for ICSE/ISC

General Physics	Optics	Thermodynamics
Units and Dimensions	Reflection	Calorimetry and Heat
Motion of Objects	Refraction of Light through Rectangular Slab	Thermal Expansion
Reflection, Refraction	Refraction	Boyle's Law
Combinations of Lenses	Multiple Slab Combination	Charles's Law
Collimation	Reflection at Single Interface, Refraction at Double Interface, Snell's Law, Critical Angle	Gay-Lussac's Law
Prisms	Thin Prisms, Dispersion	Avogadro's Law
Lenses of Various Shapes	Prism of Various Shapes	Equation of State of Gases
Simple Harmonic Motion	Dispersion of White Light	Internal Energy
Definition	Dispersion through Prism	Work Done, Heat, Calorimetry
Phase Change (Solid to Liquid, Liquid to Gas)	Simple Microscope	First Law of Thermodynamics
Compression of Gases	Compound Microscope	Second Law of Thermodynamics
Boyle's Law	Telescope	Entropy
Charles's Law	Terrestrial Telescope	Third Law of Thermodynamics
Gay-Lussac's Law	Reflecting Telescope	Black Body Radiation
Avogadro's Law	Newton's Classical Experiments	Photoelectric Effect
Equation of State of Gases	Newton's Experiments on Viscosity	Compton Effect
Internal Energy	Newton's Experiments on Surface Tension	Pair Production
Work Done, Heat, Calorimetry	Newton's Experiments on Capillarity	Annihilation
First Law of Thermodynamics	Newton's Experiments on Diffraction	
Second Law of Thermodynamics		
Entropy		
Third Law of Thermodynamics		
Black Body Radiation		
Photoelectric Effect		
Compton Effect		
Pair Production		
Annihilation		



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