







	Chapter 10: Nuclei				<a href="https://youtu.be/n488TjXrQ3g">https://youtu.be/n488TjXrQ3g</a>	
TERM-I (JUNE-JULY)  50% Syllabus covered  28.6.23		Chapter 1: Electric Charges and Fields. Chapter 2: Electrostatic Potential and Capacitance. Chapter 3: Current Electricity. Chapter 4: Moving Charges and Magnetism. Chapter 5: Magnetism and Matter. Chapter 8: Electromagnetic Waves Chapter 10: Nuclei				
PT-2 (JULY-AUG)  (20-30)%  21.8.23	Chapter 6: Electromagnetic Induction	CHAPTER 6 : ELECTROMAGNETIC INDUCTION  CHAPTER 7: ALTERNATING CURRENT	5.To determine the resistance of a galvanometer by half deflection method.	Students will learn and explain about the different method to induce an emf in a given conductor which is useful to identify the concept of Mutual and self induction.	<a href="https://www.youtube.com/watch?v=3HyORmBip-w&amp;t=144s">https://www.youtube.com/watch?v=3HyORmBip-w&amp;t=144s</a>	SDG:3 Good Health and Well Being



<p>(OCT)</p> <p>(20% syllabus covered)</p>	<p>Chapter 9: Atoms Chapter 10 Nuclei Chapter 11; Dual Nature of Light</p> <p>Chapter 12: Wave Optics</p> <p>Chapter 13: Semiconductor and Devices</p>	<p>Chapter 6: Electromagnetic Induction Chapter 7: Alternating Current Chapter 8: Electromagnetic waves Chapter 9: Atoms Chapter 10 Nuclei Chapter 11; Dual Nature of Light</p>	<p><b>8. To find the focal length of a convex mirror, using a convex lens.</b></p> <p><b>9. To study the forward and reverse bias characteristics of a pn junction.</b></p>	<p><b>Students will be able to define Wave front and Huygen's principle and derive reflection and refraction of plane wave at a plane surface using wave fronts. Define Interference, Explain Young's double slit experiment and expression for fringe width, coherent sources and sustained interference of light, diffraction due to a single slit, width of central maximum.</b></p> <p><b>Students will be able to draw the energy band diagram of metals, semiconductors and insulators . Differentiate between intrinsic and extrinsic semiconductors.</b></p>	<p><a href="https://www.youtube.com/watch?v=HnqUjgjsFAg">https://www.youtube.com/watch?v=HnqUjgjsFAg</a></p>	<p>SDG: Quality Education</p> <p>SDG: Quality education</p>
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				<p><b>Summarise the working of pn junction (forward bias and reverse bias)</b></p> <p><b>Describe the working of half wave rectifier and full wave rectifier with input and output waveforms.</b></p>		
<p>TERM II (NOV)</p> <p>2.12.23</p>	Chapter 14: Ray Optics		<p><b>10. To find the focal length of a convex lens by plotting graphs between u and v or between 1/u and 1/v.</b></p>	<p><b>Student will explain about the different types of mirror and lenses and respective ray diagrams for image formation along the mathematical tactics and Analysis of lens makers formulae.. Student will learn the different optical phenomena of in our daily life like Colour of a sky and cloud, Advanced sunrise and delayed sunset etc.</b></p>	<p><a href="https://www.youtube.com/watch?v=qCZc9U9XQWk&amp;t=27s">https://www.youtube.com/watch?v=qCZc9U9XQWk&amp;t=27s</a></p>	<p>SDG 7: Affordable and clean energy</p>
<p>PREBOARD (DEC)</p>	( Complete Syllabus)	<ul style="list-style-type: none"> <li>● Chapter 1: Electric Charges and Fields.</li> <li>● Chapter 2: Electrostatic Potential and Capacitance.</li> <li>● Chapter 3: Current Electricity.</li> <li>● Chapter 4: Moving Charges and Magnetism.</li> <li>● Chapter 5: Magnetism and Matter.</li> </ul> <p>Chapter 6: Electromagnetic Induction  Chapter 7: Alternating Current  Chapter 8: Electromagnetic waves  Chapter 9: Atoms  Chapter 10 Nuclei  Chapter 11 Dual Nature of</p>				

		<p>Light</p> <p>Chapter 12 Wave Optics</p> <p>Chapter 13 Semiconductor and Devices</p> <p>Chapter 14 Ray Optics</p>				
FINAL BOARD EXAM	( Complete Syllabus)	<ul style="list-style-type: none"> <li>● Chapter 1: Electric Charges and Fields.</li> <li>● Chapter 2: Electrostatic Potential and Capacitance.</li> <li>● Chapter 3: Current Electricity.</li> <li>● Chapter 4: Moving Charges and Magnetism.</li> <li>● Chapter 5: Magnetism and Matter.</li> </ul> <p>Chapter 6: Electromagnetic Induction</p> <p>Chapter 7: Alternating Current</p> <p>Chapter 8: Electromagnetic waves</p> <p>Chapter 9: Atoms</p> <p>Chapter 10 Nuclei</p> <p>Chapter 11 Dual Nature of Light</p> <p>Chapter 12 Wave Optics</p> <p>Chapter 13 Semiconductor and Devices</p> <p>Chapter 14 Ray Optics</p>				