Annual & Weekly Syllabus Split-Up - 2026-27

Class- X Subject- Physics

S.No	Month	No. of Working Days		No. of Days	Topic	Sub Topic	Teaching Aids/ Resources	Classroom Teaching Video Link	Activities	Pedagogy Process/Teaching Strategy	Chapterwise Notes link	Assessment
2	APRIL	25	Week 1	4	Light: Reflection and Refraction	Reflection of light, Reflection of light by curved surfaces, Images formed by spherical mirrors, Centre of curvature, principal axis, principal focus, focal length,	NCERT, Senses Board, Convex mirror, concave mirror, Optical bench, Pins	https://www.youtube.com/watch?v=-_Is2o74aRQ	Determination of the focal length of concave mirror	Interactive, Conceptual, Experimental, Practice	https://docs.google.com/document/d/1qZppG1xf90uDaf9aG_fkVcA8yTR9xhfp/edit?usp=sharing&ouid=108594730467470335879&rtpof=true&sd=true	
			Week 2	6		mirror formula (Derivation not required), magnification	NCERT, Senses Board,		Prepare Notes	Interactive, Conceptual, Practice		Class Test
			Week 3	5		Refraction; Laws of refraction, refractive index. Refraction of light by spherical lens; Image formed by spherical lenses;	Convex lens, concave lens, Optical bench, Pins	https://www.youtube.com/watch?v=sBb5WUw2_2I	Determination of the focal length of convex lens by obtaining the image of a distant object.	Interactive, Conceptual, Experimental, Practice		
			Week 4	6		Lens formula(Derivation not required); Magnification. Power of a lens.	Prism, pins, Drawing board		Tracing the path of the rays of light through a glass prism.	Interactive, Conceptual, Experimental, Practice		Class Test
			Week 5	4	Human Eye and Colourful world	Functioning of a lens in human eye, defects of vision and their corrections.	NCERT, Senses Board,	https://www.youtube.com/watch?v=c45ftlYTbI	Prepare Notes	Interactive, Conceptual, Experimental, Practice	https://docs.google.com/document/d/1jKxQ4y4GyA3SFa1YfblJ1wxcJ1ruKY0o/edit?usp=sharing&ouid=108594730467470335879&rtpof=true&sd=true	
3	JUNE	20	Week 1	0								
			Week 2	6		Refraction of light through a prism, dispersion of light, scattering of light, applications in dailylife (excluding colour of the sun at sunrise and sunset).	NCERT, Senses Board, You Tube Videos	https://www.youtube.com/watch?v=pO7yXuk-Dgs	Prepare Notes	Interactive, Conceptual, Practice		Class Test
			Week 3	6	Electricity	Electric current, Potential difference and electric current.	ohms law setup, Senses board, Ncert		Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I.	Interactive, Conceptual, Experimental, Practice	https://docs.google.com/document/d/1LAtJzSszYKTGKxeuFXdxMShy00uy9qxl/edit?usp=sharing&ouid=108594730467470335879&rtpof=true&sd=true	
			Week 4	6		Ohm's law, Resistance, Resistivity, Factors on which the resistance of a conductor depends.	Senses board, Ncert		Prepare Notes	Interactive, Conceptual, Experimental, Practice		
			Week 5	2		Exercise	Senses board, Ncert		Numericals	Practice		

4	JULY	27	Week 1	4		Series combination of resistors, parallel combination of resistors and its applications in daily life.	Senses board, Ncert	https://www.youtube.com/watch?v=wvHcm84RsFw	Determination of the equivalent resistance of two resistors when connected in series and parallel.	Interactive, Conceptual, Experimental, Practice		Class Test
			Week 2	6		Heating effect of electric current and its applications in daily life.	Senses board, Ncert		Prepare Notes	Interactive, Conceptual, Experimental, Practice		
			Week 3	6		Electric power, Interrelation between P, V, I and R.	Diagrams and Charts to explain list of formula use in electric power		Prepare Notes	Interactive, Conceptual, Practice		
			Week 4	6	Magnetic effects of electric current	Magnetic field, field lines	Diagrams and Charts to explain list of formula use in magnetism		Prepare Notes	Interactive, Conceptual, Practice	https://docs.google.com/document/d/1yiV6lXMfCfDH9Jq13Yi3NiaDi-_OfXGH/edit?usp=sharing&ouid=108594730467470335879&rtpof=true&sd=true	
			Week 5	5		Field due to a current carrying conductor	Explain and diagram related to topic		Prepare Notes	Interactive, Conceptual, Practice		Class Test

5	AUGUST	24	Week 1	1		PRE MID TERM EXAM	PRE MID TERM EXAM			Interactive		
			Week 2	6		PRE MID TERM EXAM	PRE MID TERM EXAM			Conceptual		
			Week 3	5	Magnetic effects of electric current	Field due to current carrying coil or solenoid	Explain and diagram related to topic	https://www.youtube.com/watch?v=v7hWt9F3WcY	Prepare Notes	Interactive, Conceptual, Practice		
			Week 4	6	Light: Reflection and Refraction	Revision	Revision	Revision		Interactive, Conceptual, Practice		
			Week 5	5+1	Human Eye and Colourful world	Revision	Revision		Revision	Interactive		
6	EPTEMBE	23	Week 1	5		MID TERM EXAM	MID TERM EXAM					
			Week 2	6								
			Week 3	5	Magnetic effects of electric current	Force on current carrying conductor, Fleming's Left Hand Rule	Explain and diagram related to topic		Prepare Notes	Concept, Explain, Discussion, Example		Class Test
			Week 4	5		Direct current. Alternating current:	Use of flow chart to Differentiate between the AC and DC curents	https://www.youtube.com/watch?v=CCHGatqIkAI	Prepare Notes	Concept, Explain, Discussion, Example		
			Week 5	3		Frequency of AC. Advantage of AC over DC.	Discuss the importance of AC over DC		Prepare Notes	Explain, Discussion, Example		
7	OCTOBER	25	Week 1	2						Explain, Discussion, Example		Class Test
			Week 2	6		Domestic electric circuits.	Explain and diagram related to topic, SENSES, NCERT		Prepare Notes	Explain, Discussion, Example		
			Week 3	6		Exercise	NCERT, Senses Board,		Numericals	Explain, Discussion, Example		
			Week 4	5						Explain, Discussion, Example		
			Week 5	5						Explain, Discussion, Example		

8	OVEMBE	12	Week 1	0						
			Week 2	0						
			Week 3	0						
			Week 4	6	PB-1					
			Week 5	5+1	PB-1					
9	ECEMBE	24	Week 1	5	Revision	Revision	NCERT, Senses Board, Sample Papers			Explain, Discussion, Example
			Week 2	6	PB-2					
			Week 3	6	PB-2					
			Week 4	4	Practice Test-1					
			Week 5	3	Practice Test-1					
10	JANUARY	22	Week 1	0						
			Week 2	6	PB-3					
			Week 3	5	PB-3					
			Week 4	6	PB-3					
			Week 5	5	Revision	Revision	NCERT, Senses Board, Sample Papers		Previous Year QP/ Sample Papers Solution	Explain, Discussion, Example
11	EBRUAR	23	Week 1	6	Revision	Revision	NCERT, Senses Board, Sample Papers		Previous Year QP/ Sample Papers Solution	Explain, Discussion, Example
			Week 2	6	Revision	Revision	NCERT, Senses Board, Sample Papers		Previous Year QP/ Sample Papers Solution	Explain, Discussion, Example
			Week 3	5						
			Week 4	6						
			Week 5	0						
12	MARCH	17	Week 1	5						
			Week 2	6						
			Week 3	5						
			Week 4	5						
			Week 5	3						