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"Discipline is the Bridge between Goal and Success"				
Study Plan of Oscillations, Waves and Optics for Pre-recorded Batches (For IIT-JAM, JEST, TIFR and M.Sc Entrance and B.Sc Students)				
Days	Enter Your Dates	Topics		
		PART-A: Oscillations and Waves		
Day: 1		Lecture 1: Simple Harmonic Motion Part-1		
		Lecture 2: Simple Harmonic Motion Part-2		
Day: 2		Lecture 3: Simple Harmonic Motion Part-3		
		Lecture 4: Simple Harmonic Motion Part-4		
		Solve Assignment No. 6: Simple Harmonic Oscillations (Lect-1 to Lect-4)		
Dav: 3		Lecture 5: Superposition of SHM Part-1		
Day: 3		Lecture 6: Superposition of SHM Part-2		
		Lecture 7: Superposition of SHM Part-3		
Day: 4		Lecture 8: Damped Oscillations		
		Solve Assignment No. 1: Superposition of Harmonic Oscillations (Lect-5 to Lect-7)		
		Lecture 9: Forced Oscillations Part-1		
Day: 5		Lecture 10: Forced Oscillations Part-2		
		Solve Assignment No. 2: Damped Harmonic Oscillations & Forced Oscillations (Lect-8 to Lect-10)		
Day: 6		Class Test 1: Simple Harmonic Motions and Its Superposition (Lect-1 to Lect-7)		
Day: 7		Class Test 2: Damped Harmonic Oscillations & Forced Oscillations (Lect-8 to Lect-10)		
		Lecture 11: Wave Motion Part-1		
Day: 8		Lecture 12: Wave Motion Part-2		
		Lecture 13: Wave Motion Part-3		
Day: 9		Lecture 14: Wave Motion Part-4		
		Solve Assignment No. 3: Wave Motion (Lect-11 to Lect-14)		
		Lecture 15: Phase and Group Velocity		
Dev: 10		Lecture 16: Doppler's Effect		
Day: 10		Solve Assignment No. 4: Phase and Group Velocity (Lect-15)		
		Solve Assignment No. 5: Doppler Effect (Lect-16)		
	·	PART-B: Optics		
Day: 11		Lecture 17: Superposition Principle and coherence Sources-Interference		
		Lecture 18: Young Double Slit Experiment Part-1		
		Solve Assignment No. 1: Superposition Principle (Lect-17)		
Day: 12		Lecture 19: Young Double Slit Experiment Part-2		
		Lecture 20: Young Double Slit Experiment Part-3		
		Solve Assignment No. 2: Young Double Slit Experiment (Lect-18 to Lect-19)		
Day: 13		Revision		
Day: 14		Class Test 3: Wave Motion, Phase & Group Velocity and Doppler Effect (Lect-11 to Lect-16)		
		Lecture 21: N-Slits interference		
Day: 15		Lecture 22: Fresnel Bi-Prism Interference		
		Solve Assignment No. 3: Young Double Slit Experiment (Lect-20 to Lect-21)		
Day: 16		Lecture 23: Llyod's Mirror		
		Lecture 24: Thin Film Interference		
Day: 17		Lecture 25: Wedge Shaped Films		
		Lecture 26: Newton Rings Part-1		
		Solve Assignment No. 4: Fresnel Biprism and Thin Film Interference (Lect-22 to Lect-25)		

Day: 18		Lecture 27: Newton Rings Part-2
		Lecture 28: Single-Slit Diffraction
		Solve Assignment No. 5: Newton Ring Experiment (Lect-26 to Lect-27)
Day: 19		Lecture 29: Double-Slit Diffraction
		Lecture 30: Diffraction Grating Part-1
		Lecture 31: Diffraction Grating Part-2
Day: 20		Solve Assignment No. 6 &7: Diffraction of Light (Lect-28 to Lect-31)
Day: 21		Class Test 4: Interference of Light (Lect-17 to Lect-27)
Day: 22		Lecture 32: Polarisation by Reflection and Malus Law
		Lecture 33: Problems on Malus Law
Day: 23		Lecture 34: Polarisation by Double Refraction
		Lecture 35: Nicol Prism
Day: 24		Lecture 36: Production of Elliptical and Circular Polarised Light
Day. 24		Lecture 37: Quarter-Wave and Half-Wave Plate Polarisation
Day: 25		Lecture 38: Analysis of Polarised Light
		Lecture 39: State of Polarisation
Day: 26		Lecture 40: Problems on Double Refracting Crystal
		Lecture 41: Wollaston Prism and Rochon Prism
Day: 27		Solve Assignment No. 8 &9: Polarisation of Light (Lect-32 to Lect-41)
Day: 28		Class Test 5: Diffraction of Light (Lect-28 to Lect-31)
Day: 29		Lecture 42: Law of Reflection and Plane Mirror
		Lecture 43: Reflection from Spherical Mirror
Day: 30		Lecture 44: Magnification and Problem on Plane & Spherical Mirror
Day. 50		Lecture 45: Law of Refraction
Day: 31		Lecture 46: Spherical Lenses
		Solve Assignment No. 10: Ray Optics (Lect-42 to Lect-46)
Day: 32		Class Test 6: Polarisation of Light (Lect-32 to Lect-41)
Day: 33		Class Test 7: Ray Optics (Lect-42 to Lect-46)