Lesson Plan For B. Sc 1st Year (Physics) Session - 2021-2022 (April to June 2022)

	First week	Introduction of Elasticity, Hooke's law, Study of Elastic Constants and their relations, Poisson's ratio, Torsion of cylinder and twisting couple, Bending of beam
77	Second week	Cantilevers, Applications of Centrally loaded beam Assumption of kinetic theory of gases, Law of equipartition of energy and its applications for specific it of gases
April 2022	Third week	Maxwell distribution of speeds and velocities, most probable speed, average and R.M.S. speed, mean free path and transport of energy and momentum and diffusion of gases
Ap	Fourth week	Brownian motion, introduction of real gas equation and van der wall's and find out the critical volume, pressure and temperature revision of unit first (properties of matter) Electromagnetic induction: growth and Decay of current in a circuit with (a) Capacitance and resistance (b) Resistance and Inductance (c) Capacitance and Inductance
	First week	(d) Capacitance, Resistance and Inductance AC circuit analysis using complex variables with (a) Capacitance and resistance (b) Resistance and Inductance (c) Capacitance and Inductance
May 2022	Second week	(d) Capacilance, Resistance and Inductance, Series and parallel resonant circuit, Sharpness of resonance Semiconductor diodes: energy bands in solids, Intrinsic and extrinsic semiconductor, hall effect, P-N Junction diode and their V-I Characteristics, Zener and Avalanche breakdown
Мау	Third week	Zener diode and voltage regulator, Light emitting diodes, Photo diode, Solar cell, photo conduction in semiconductors, Rectifier-half wave and full wave rectifier and bridge rectifier, filter circuits in rectifier, Regulated power supply
	Fourth week	Working of PNP and NPN transistors, various configuration of transistors and input and output characteristics, principle, construction and working of C.R.O.
2	First week	transistor amplifier (C.B, C.E.), D.C. Load line, R-C coupled amplifier, advantage of negative feedback emitter follower.
June 2022	Second week	Oscillators, principle of oscillation, conditions for self-sustained oscillations; barkhausen criterion for oscillations, tuned collector, common emitter oscillator, Hartley and colpitt's oscillator
7	Third week	Revision
	Fourth week	Revision

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Lesson Plan For B. Sc Try ear (Physics) Session - 2021-2022 (April to June 2022)

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	First week	Shortistical Physics, Probability, Distribution of N (= 2.3,4,) Pershelisin two (equal box of equal size.
April 2022	Second week	Microsphetes and Macrosphetesolal System of Postriles, Thermodynamic
pril	Third week	Prohability, Constrains & Acceptible state Stirling's Abbrev's notion that Prolate Dishibution & Statistical Eluctuations.
4	Fourth week	Inverse Probability, Phose Space, Statis 4 Dynamic Systems.
	First week	Fire of these space cell, occupation inde Propose spacecell in Tomarton interrest Propose, p-Perameter, Boltzmann's cutiffy
		PtoPotal, & Personnetes, Boldsmonn's entropy
022	Second week	Beltzmannis did bis bution love Clossical/ Ownhum Statistics. Base-Einstein Statistics. Black body Radation.
May 2022	Third week	Application of B.E. Statistics, Bose- Einsteller Cres.
	Fourth week	Degeneracy & Bose-Einstein Condensation, Fermi Dirac Statistics
	First week	Continuum limit, fermi - Direc Cres & Fermi energy, Degeneracy
022	Second week	Electron Cas in Metals, Specific heat Anomaly of Metals dits
June 2022	Third week	Solution. Comperition of rn.g., 8.E., F-D 82H13Hics
	Fourth week	Revision.
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Lesson Plan For B.Sc 6th Semester (Physics) Session - 2021-2022 (April to June 2022)

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	First week	Unit 1: Nuclear Structure and Properties of Nucl
1	Second & Third week	Unit 2: Interaction of Nuclear Physics
	Fourth week	Unit 3: Nuclear Reactions and nuclear Reactors
THE RES	First & Second week	Unit 3: Nuclear Accelerators and Nuclear Radiation Detectors
THE L	Second & Third week	Unit 1: Spectroscopy of Atoms and metals, Vector Ato
18 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Fourth week	Unit 2: Zeeman Effect, Paschen-back Effect and St. Effect and Molecular Physics
1	First & Second week	Unit 3: Main Features of laser and application
	Third & Fourth	Revision and Test

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Lesson Plan For B.Sc 6th Semester (Physics) Session - 2021-2022 (April to June 2022)

April	First to Fourth'	Unit 1: Interference by division of Amplitude and Fresnel's Diffraction	
220	First to Third week	Unit 2: Fraunhoffer Diffraction	
May 2022	Fourth week	Unit 3: Polarization	
June 2022	First & Second week	Unit 3: Polarization	
June	Third & Fourth week	Revision and Test	

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