

Dayanand Mahila Mahavidyalaya, Kurukshetra

Lesson Plan (Odd Semester)

Session 2025-26 (22.07.2025 to 24.11.2025)

Name of teacher: Mrs. Kiran

Subject: Physics

Date	Day	Class...B.Sc. Ist year	Class...B.Sc. IIrd year	Class...B.Sc. 3rd year
		Semester. Ist.....	Semester. 3rd.....	Semester. 5th.....
22.07.2025	Tuesday		Thermodynamics system	Need of Quantum Mechanics
23.07.2025	Wednesday			Planck's hypothesis
24.07.2025	Thursday	Rigid Body, Moment of Inertia, Radius gyration	Variation and eqn of state	
25.07.2025	Friday	Thm of parallel axis	Thermal equilibrium	
26.07.2025	Saturday	Thm of perpendicular axis		
28.07.2025	Monday		Zeroth Law, Concept of heat, work	Quantization of EM radiation
29.07.2025	Tuesday		Laws of Thermodynamics, limitations	Photoelectric effect
30.07.2025	Wednesday			Compton effect
31.07.2025	Thursday	Shaheed Udham Singh's Martyrdom Day		
01.08.2025	Friday	Moment of Inertia of ring		
02.08.2025	Saturday	Angular disc, Solid cylinder		
04.08.2025	Monday		Internal energy, Isochoric, isobaric, adiabatic	Phase & group velocities
05.08.2025	Tuesday		Isothermal, cyclic, reversible, irreversible	Probability current
06.08.2025	Wednesday			Time independent
07.08.2025	Thursday	Solid sphere, Hollow sphere, Rectangular plate	1st Law, 2nd Law, Carnot	Schrodinger equations
08.08.2025	Friday	Square plate, Solid cone	Thm Absolute scale	
09.08.2025	Saturday	Raksha Bandhan		
11.08.2025	Monday		Joule's Free expansion, Joule's Thomson effect	Properties of wave function
12.08.2025	Tuesday		Joule's Thomson exp., conclusion	Linear momentum
13.08.2025	Wednesday			Energy operator
14.08.2025	Thursday	Triangular plate, Torque	Entropy, calculations	Commutator of position & linear momentum
15.08.2025	Friday	Independence Day		
16.08.2025	Saturday	Janamashtami		
18.08.2025	Monday		Entropy of perfect gas	Expectation values of position & linear momentum
19.08.2025	Tuesday		3rd law of Thermodynamics, Liquefaction of gas, Solidification below 4K	Particle confined in a one-dimensional box.

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		Semester...1st.....	Semester...3rd.....	Semester...5th.....
20.08.2025	Wednesday			Heisenberg's Uncertainty principle
21.08.2025	Thursday	Rotational K.E, Angular momentum and its laws	Cooling by adiabatic demagnetization	
22.08.2025	Friday	Rolling Motion, Condition for pure rolling		
23.08.2025	Saturday	Acc. of body on inclined plane		
25.08.2025	Monday	r	Revision	Applications
26.08.2025	Tuesday		Clausius - Clapeyron Eq. & significance	Revision
27.08.2025	Wednesday			Crystalline state
28.08.2025	Thursday	Fly wheel, Moment of Inertia of an irregular body	Specific Heat of saturated Vapour, phase diagram	
29.08.2025	Friday	Revision		
30.08.2025	Saturday	Deforming force, Elastic limit, stress, strain		
01.09.2025	Monday		Triple point, Maxwell Thermodynamical eq.	Crystal lattice, basis, Lattice Translation
02.09.2025	Tuesday		Thermodynamical fu - Internal energy, E, H	Primitive & Non-Primitive
03.09.2025	Wednesday			Symmetry operations
04.09.2025	Thursday	Hooke's Law, Modulus of rigidity, Relation between angle	Gibbs's fu and relation Application of Maxwell	
05.09.2025	Friday	Elastic energy, Elongation produced in heavy rod		
06.09.2025	Saturday	Tension in rotating rod		
08.09.2025	Monday		Derivation of Clausius - Clapeyron eq. Variation of energy	Bravais lattice in 2D, 3D Miller Indices
09.09.2025	Tuesday		Perfect and Vande Waals gas	Crystallographic planes
10.09.2025	Wednesday			Interplanar spacing
11.09.2025	Thursday	Poisson's ratio limiting value, Elastic constant	Derivation of Stefan's Law	
12.09.2025	Friday	Torque for twisting cylinders Hollow shaft		
13.09.2025	Saturday	Bending of beam, moment		
15.09.2025	Monday		Adiabatic expansion & compression of gas	Simple crystal Structure
16.09.2025	Tuesday		Revision	NaCl, CsCl, HCP
17.09.2025	Wednesday			Zinc blende, Diamond
18.09.2025	Thursday	Flexural rigidity, Geometrical moment of Inertia	Distribution of N particles in two boxes	
19.09.2025	Friday	Bending of Cantilever		
20.09.2025	Saturday	Weight of cantilever uniformly entire length		
22.09.2025	Monday	Maharaja Aggarasen Jayanti		
23.09.2025	Tuesday	Shaheedi Diwas/Haryana War Heroes' Martyrdom Day		

Date	Day	Class <i>B.Sc. - 1st year</i>	Class <i>B.Sc. - 2nd year</i>	Class <i>B.Sc. - 3rd year</i>
		Semester <i>1st</i>	Semester <i>3rd</i>	Semester <i>5th</i>
24.09.2025	Wednesday			Diffraction of waves by crystal
25.09.2025	Thursday	Dispersion of centrally loaded	Microstate & Macrostate	
26.09.2025	Friday	Searle's Method	Thermodynamics & Probability	
27.09.2025	Saturday	Revision		
29.09.2025	Monday		Constraints and accessible state, Statistical Fluctuation	Bragg's Law, Reciprocal lattice
30.09.2025	Tuesday		distribution of particles in compartments	Sc, Bcc, Fcc lattices
01.10.2025	Wednesday			Non-crystalline Solid
02.10.2025	Thursday	Mahatma Gandhi Jayanti/Dussehra		
03.10.2025	Friday	Michelson's Morley exp. Postulates of Relativity		
04.10.2025	Saturday	Lorentz Transformation		
06.10.2025	Monday		S-parameter, entropy probability, phase space	Revision
07.10.2025	Tuesday	Maharishi Valmiki Jayanti/Maharaja Aajamdh Jayanti		
08.10.2025	Wednesday			Sommerfeld Theory, Relativistic correction
09.10.2025	Thursday	Simultaneity and order of events	Division of phase space into cells, postulates	
10.10.2025	Friday	Lorentz contraction, Time dilation		
11.10.2025	Saturday	Relativistic Transformation of velocity		
13.10.2025	Monday		Classical & Quantum Statistics basic approach	File structure, Lamb shift, Lashba's Thm.
14.10.2025	Tuesday		Maxwell-Boltzmann Stat	Larmor Thm, Vector atom Model, s -spin
15.10.2025	Wednesday			Space quantization, spin-orbit interaction energy.
16.10.2025	Thursday	Relativistic addition, mass-energy equivalence	Maxwell distribution of speed and velocity	
17.10.2025	Friday	Doppler effect, Kinematics		
18.10.2025	Saturday	Transformation of energy, momentum, force		
19.10.2025 to 26.10.2025		Diwali Vacations		
27.10.2025	Monday		Most Probable speed, average, r.m.s.	LS, JJ Coupling, Spectral Terms
28.10.2025	Tuesday		Mean energy Maxwellian	LS, JJ coupling, Zeeman effect
29.10.2025	Wednesday			Lande's g-factor, D1/2 D2 lines
30.10.2025	Thursday	Problems of relativistic dynamics	Revision	
31.10.2025	Friday	Revision		
01.11.2025	Saturday	Haryana Day		
03.11.2025	Monday		Dulong's & Petit's Law with derivation	Raman, Stoke & Anti-Stoke lines

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04.11.2025	Tuesday		Base- Einstein energy distribution law	Revision
05.11.2025	Wednesday	Guru Nanak Jayanti		
06.11.2025	Thursday	Law of gravitation, Potential and Field	Need of Quantum Statistics	
07.11.2025	Friday	Motion of particle under central force	Classical versus Quantum	
08.11.2025	Saturday	Two body problems & solution		
10.11.2025	Monday		Application of B.E, degeneracy & condensation	Composition, stability of nucleus & properties
11.11.2025	Tuesday		Fermi - Dirac energy	Model & Semi-empirical Mass Formula
12.11.2025	Wednesday			Nuclear Shell Model Classification
13.11.2025	Thursday	Compound Pendulum, Bar Pendulum	F.D gas & degeneracy, Fermi energy, Fermi Temp	
14.11.2025	Friday	Normal co-ordinates and normal modes		
15.11.2025	Saturday	Spring mass system		
17.11.2025	Monday		F.D energy distribution law	Quark & Lepton, Hadrons, Baryons, Mesons
18.11.2025	Tuesday		Zero point energy, average speed	Different type of interaction
19.11.2025	Wednesday			Revision
20.11.2025	Thursday	Possible angular frequency	Revision	
21.11.2025	Friday	Revision		
22.11.2025	Saturday	Revision		
24.11.2025	Monday		Revision	Revision
25.11.2025	Tuesday	Examination Onwards		

Kiran