

Lesson Plan

Name of the Assistant/ Associate Professor..... INDU VASHISTHA.....

Class and Section:..... B.Sc-2nd ; Sec-I.....

Subject:..... Physics.....

Week	Date	Topics
1	1-Jan-18	An introduction of Statistical Physics, Basic terms
	2-Jan-18	Probability, Permutation and Combination
	3-Jan-18	Maximum and Minimum Probability, Micro and Macro
	4-Jan-18	Thermodynamic Probability, Distribution of Particles
	5-Jan-18	Constraints, Statistical Fluctuation.
	6-Jan-18	Important Result on Probability, Phase space
	7-Jan-18	Sunday
2	8-Jan-18	Stirling (Approx.), Condition of equilibrium
	9-Jan-18	Postulates of Statistical Physics, Phase space
	10-Jan-18	Occupation Index, Expression for Probability
	11-Jan-18	Entropy and Probability
	12-Jan-18	Boltzmann Distribution Law, Numericals
	13-Jan-18	Classification of Statistics, Basic Concepts in
	14-Jan-18	Sunday
3	15-Jan-18	Quantum Statistics, Bose Einstein Statistics
	16-Jan-18	Black Body Radiation Law, Planck Radiation Law
	17-Jan-18	Test on Boltzmann Statistics.
	18-Jan-18	Bose Einstein Gas.
	19-Jan-18	Bose Einstein Statistics, Numericals.
	20-Jan-18	Test on Statistical Physics Unit-I
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Test on B-E Statistics Unit-II
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Bose-Einstein Condensation.
	26-Jan-18	Republic Day
	27-Jan-18	Limiting Case of Bose-Einstein Condensation
	28-Jan-18	Sunday
	5	29-Jan-18
30-Jan-18		F-D Statistics
31-Jan-18		F-D Statistics (Continued)

Lesson Plan

Name of the Assistant/ Associate Professor..... INDU VASHISTHA

Class and Section:..... B.Sc - IInd , Sec-I

Subject:..... Physics

Week	Date	Topics
1	1-Feb-18	F-D Gas
	2-Feb-18	Degeneracy of Fermi Gas
	3-Feb-18	Degeneracy of Fermi Gas (Continued)
	4-Feb-18	Sunday
2	5-Feb-18	Electron gas in Metal
	6-Feb-18	Composition of Statistics
	7-Feb-18	Specific heat of Metal
	8-Feb-18	Comparisons of Statistics, Numericals
	9-Feb-18	Introduction, Interference in thin films
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	Test on Statistical Physics Unit-3
	13-Feb-18	Maha Shivratri
	14-Feb-18	Colour of thin Films
	15-Feb-18	Wedge shaped Film
	16-Feb-18	Newton's Rings
	17-Feb-18	Newton Rings (Continued)
	18-Feb-18	Sunday
	4	19-Feb-18
20-Feb-18		Determination of Refractive Index
21-Feb-18		Michelson Interferometer
22-Feb-18		Michelson Interferometer (Continued)
23-Feb-18		Michelson (Application)
24-Feb-18		Test on Interference.
25-Feb-18		Sunday
5		26-Feb-18
	27-Feb-18	Fresnel Assumptions, Classification of Diffraction
	28-Feb-18	Zone Plate and Convex Lens.

Lesson Plan

Name of the Assistant/ Associate Professor..... INDU VASHISTHA.....

Class and Section:..... B.Sc IInd, Sec-I.....

Subject:..... PHYSICS.....

Week	Date	Topics
1	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	Fresnel Half Period Zones
	4-Mar-18	Sunday
2	5-Mar-18	Fresnel Half Period Zones (Continued), Zone
	6-Mar-18	Diffraction at Straight edge
	7-Mar-18	Diffraction at Straight edge (Continued)
	8-Mar-18	Diffraction at Rectangular Slit
	9-Mar-18	Diffraction at circular Aperture
	10-Mar-18	Analytical Treatment of circular Apert
	11-Mar-18	Sunday
3	12-Mar-18	Numericals
	13-Mar-18	Fraunhofer Diffraction at Single Slit
	14-Mar-18	Analytical Treatment
	15-Mar-18	Diffraction at circular Aperture and do
	16-Mar-18	Diffraction at double slit (Continued)
	17-Mar-18	Numericals
	18-Mar-18	Sunday
4	19-Mar-18	Test of unit - I, Paper-II
	20-Mar-18	Diffraction at N-slit
	21-Mar-18	Diffraction at N-slit (Continued)
	22-Mar-18	Resolving Power
	23-Mar-18	Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev
	24-Mar-18	Dispersive Power of grating
	25-Mar-18	Sunday/ Ram Navami
5	26-Mar-18	Rayleigh criterion, Resolving Power of T
	27-Mar-18	Resolving Power of grating
	28-Mar-18	Comparison of Prism and grating, Num
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Problems
	31-Mar-18	Test of unit - 2, Paper-II

Lesson Plan

Name of the Assistant/ Associate Professor..... INDU VASHISTHA.....

Class and Section:..... B.Sc - IInd (13th sem), Sec-I.....

Subject:..... Physics.....

Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	Polarisation
	3-Apr-18	Plane of Polarisation.
	4-Apr-18	Polarisation of Refraction.
	5-Apr-18	Polarisation of scattering.
	6-Apr-18	Plane of Reflection.
	7-Apr-18	Law of Malus.
	8-Apr-18	Sunday
2	9-Apr-18	Double Refraction.
	10-Apr-18	optic axis and Principle Section.
	11-Apr-18	Polarisation by Double Refraction.
	12-Apr-18	Double Refraction (continued)
	13-Apr-18	Difference b/w Positive and Negative crystals.
	14-Apr-18	Dr Ambedkar Jayanti / Vaisakhi
	15-Apr-18	Sunday
3	16-Apr-18	Nicol Prism
	17-Apr-18	Nicol Prism (Continued)
	18-Apr-18	Parashurama Jayanti
	19-Apr-18	Huygen Theory of Double Refraction.
	20-Apr-18	Huygen Theory (continued)
	21-Apr-18	Types of Polarised Light.
	22-Apr-18	Sunday
4	23-Apr-18	Types of Polarised Light (continue)
	24-Apr-18	Quarter wave Plate, Half wave Plates.
	25-Apr-18	Production of Polarised Light.
	26-Apr-18	Detection of Polarised Light.
	27-Apr-18	Numericals, Problems
	28-Apr-18	Test of unit - 3, Paper-II