

Lesson Plan

Name of the Assistant/ Associate Professor: - RITU K.DALAL

Class and Section: B.Sc 4th Sem.

Subject: Wave & Optics Paper code: 401

Week	Date	Topics
1	1-Jan-18	Polarization by Reflection
	2-Jan-18	Refraction & Scattering
	3-Jan-18	Malus law , Double Refraction
	4-Jan-18	Revision
	5-Jan-18	Numericals
	6-Jan-18	Hygens's Wave Theory
	7-Jan-18	Sunday
2	8-Jan-18	Analysis of Polarized Light
	9-Jan-18	Nicol Prism
	10-Jan-18	Numericals
	11-Jan-18	Quarter Wave Plate
	12-Jan-18	Half Wave Plate
	13-Jan-18	Numericals
	14-Jan-18	Sunday
3	15-Jan-18	Production & Detection of Plane Polarized Light
	16-Jan-18	Revision
	17-Jan-18	Circularly Polarized Light
	18-Jan-18	Elliptically Polarised Light
	19-Jan-18	Numericals
	20-Jan-18	Revision
	21-Jan-18	Sunday
4	22-Jan-18	Vasant Panchami
	23-Jan-18	Optical Activity & Fresnel's Theory
	24-Jan-18	Sir Chhotu Ram Jayanti
	25-Jan-18	Specific Rotation
	26-Jan-18	Republic Day
	27-Jan-18	Polarimeters
	28-Jan-18	Sunday
5	29-Jan-18	Test Unit 1
	30-Jan-18	Fourier Theorem & Fourier Series
	31-Jan-18	Fourier Coefficient

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Week	Date	Topics
1	1-Feb-18	Importance & Limitations of Fourier Theorem
	2-Feb-18	Even & Odd Functions
	3-Feb-18	Examples
	4-Feb-18	Sunday
2	5-Feb-18	Fourier Series of Function 0 to 2 pi
	6-Feb-18	Fourier Series of $-\pi$ to π
	7-Feb-18	-Do-
	8-Feb-18	Fourier Series of 0 to π
	9-Feb-18	-Do-
	10-Feb-18	Maharshi Dayanand Saraswati Jayanti
	11-Feb-18	Sunday
3	12-Feb-18	Fourier Series of $-L$ To L
	13-Feb-18	Maha Shivratri
	14-Feb-18	Complex form of Fourier series
	15-Feb-18	Applications of Fourier Theorem
	16-Feb-18	Revision
	17-Feb-18	Triangular Wave
	18-Feb-18	Sunday
4	19-Feb-18	Rectangular Wave
	20-Feb-18	-Do-
	21-Feb-18	Half & Full Wave Rectifier Output
	22-Feb-18	-Do-
	23-Feb-18	Test of all applications
	24-Feb-18	Parseval's Identity for Fourier Series
	25-Feb-18	Sunday
5	26-Feb-18	Revision
	27-Feb-18	Fourier Integral
	28-Feb-18	As per Uni. Calendar Holiday

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Week	Date	Topics
1	1-Mar-18	Guru Ravidas Birthday
	2-Mar-18	Holi
	3-Mar-18	As per Uni. Calendar Holiday
	4-Mar-18	Sunday
2	5-Mar-18	Test Unit 2
	6-Mar-18	Fourier Transformation & its Properties
	7-Mar-18	Applications of F.T
	8-Mar-18	Evaluation of integrals
	9-Mar-18	Examples
	10-Mar-18	Solutions of O.D Equations
	11-Mar-18	Sunday
3	12-Mar-18	Numericals
	13-Mar-18	-Do-
	14-Mar-18	-Do-
	15-Mar-18	Matrix Method
	16-Mar-18	Effect of Translation & Refraction
	17-Mar-18	Derivation of Thick Lens
	18-Mar-18	Sunday
4	19-Mar-18	Derivation of Thin Lens
	20-Mar-18	Unit Plane
	21-Mar-18	Nodal Plane
	22-Mar-18	Revision
	23-Mar-18	Shaheedi Diwas of Bhagat Singh, Rajguru & Sukhdev
	24-Mar-18	System of Thin Lenses
	25-Mar-18	Sunday/ Ram Navami
5	26-Mar-18	Test Unit 3
	27-Mar-18	Chromatic Aberration
	28-Mar-18	Spherical Aberration
	29-Mar-18	Mahavir Jayanti
	30-Mar-18	Revision
	31-Mar-18	Coma Aberration

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Week	Date	Topics
1	1-Apr-18	Sunday
	2-Apr-18	Astigmatism
	3-Apr-18	Distortion Aberration
	4-Apr-18	Remedies of all the aberrations
	5-Apr-18	Optical Fibre
	6-Apr-18	Critical Angle & Mode of Propagation
	7-Apr-18	Acceptance Angle
	8-Apr-18	Sunday
2	9-Apr-18	Refractive Index Change
	10-Apr-18	Numerical Aperture & Types OF Optical Fibre
	11-Apr-18	Pulse Dispersion , Attenuation
	12-Apr-18	Applications
	13-Apr-18	Revision
	14-Apr-18	Dr AmbedkarJayanti / Vaisakhi
	15-Apr-18	Sunday
3	16-Apr-18	Fibre Optics Communication
	17-Apr-18	Advantages
	18-Apr-18	ParashuramaJayanti
	19-Apr-18	Revision
	20-Apr-18	Test Unit 4
	21-Apr-18	Revision of all Numericals
	22-Apr-18	Sunday
	4	23-Apr-18
24-Apr-18		-Do-
25-Apr-18		
26-Apr-18		
27-Apr-18		
28-Apr-18		