

**LESSON PLAN FOR EVEN SEM**  
**SESSION 2017-18**

**NAME OF ASSISTANT /ASSOCIATE PROFESSOR : Dr. M.P Aggarwal**

**CLASS/SECTION : B.Sc. II Year, Sem. IV**

**SUBJECT: Physics-P II**

Week	Date	Topics
1	1-Jan-18	<b>Motivational Lecture Int. To Syll. Of Unit-II</b>
	2-Jan-18	<b>Fourier Theorem, Fourier sense, Imp. &amp; Lim. Of F.T</b>
	3-Jan-18	<b>Evaluation Of F.cs.in F.s Of function <math>f(x)</math> in the interval (0-2II)</b>
	4-Jan-18	_____
	5-Jan-18	_____
	6-Jan-18	_____
	7-Jan-18	<b>Sunday</b>
2	8-Jan-18	<b>Evaluation Of F.cs.in F.s Of <math>f(x)</math> in (i)-II, II (ii)o, II (iii)-L,L</b>
	9-Jan-18	F.S of even & odd Functions, Complex form of F.S
	10-Jan-18	<b>Application of Fourier Theorem- Solution Of Rectangle Wave</b>
	11-Jan-18	_____
	12-Jan-18	_____
	13-Jan-18	_____
	14-Jan-18	<b>Sunday</b>
3	15-Jan-18	<b>Solution of triangle wav</b>
	16-Jan-18	<b>Analysis of Half Wave Rectifier output</b>
	17-Jan-18	<b>Analysis of Half Wave Rectifier output</b>
	18-Jan-18	_____
	19-Jan-18	_____
	20-Jan-18	_____
	21-Jan-18	<b>Sunday</b>
4	22-Jan-18	<b>Vasant Panchami</b>
	23-Jan-18	<b>Perceval Identify For F.S &amp; Fourier Integral</b>
	24-Jan-18	<b>Sir Chotu Ram Jayanti</b>
	25-Jan-18	_____
	26-Jan-18	<b>Republic Day</b>

	27-Jan-18	_____
	28-Jan-18	<b>Sunday</b>
5	29-Jan-18	<b>Revision Of Unit II &amp; Problems Discussions</b>
	30-Jan-18	<b>Test- I On Unit-II</b>
	31-Jan-18	<b>Introduction To Unit-III on Fourier Transforms</b>
	1-Feb-18	_____
	2-Feb-18	_____
	3-Feb-18	_____
	4-Feb-18	<b>Sunday</b>
6	5-Feb-18	<b>Fourier Transform &amp; its properties</b>
	6-Feb-18	<b>Application of F.T to function <math>f(x)= \{1/0 x&lt;9,x&gt;9\}</math></b>
	7-Feb-18	<b>Application of F.T to function <math>f(x)= e^{-x^2/2}</math></b>
	8-Feb-18	_____
	9-Feb-18	_____
	10-Feb-18	<b>Maharshi Dayanand Saraswati Jayanti</b>
	11-Feb-18	<b>Sunday</b>
7	12-Feb-18	<b>Evaluation Of Fourier Integral &amp; sol. Of O.D.E</b>
	13-Feb-18	<b>Maha Shivratri</b>
	14-Feb-18	<b>Int. To Matrix Methods in Paraxial Optics</b>
	15-Feb-18	_____
	16-Feb-18	_____
	17-Feb-18	_____
	18-Feb-18	<b>Sunday</b>
8	19-Feb-18	<b>Translation &amp; Reflection Matrices</b>
	20-Feb-18	<b>Derivation of Thin Lens Formula</b>
	21-Feb-18	<b>Unit Planes &amp; Derivation Of Thick lens Formula</b>
	22-Feb-18	_____
	23-Feb-18	_____
	24-Feb-18	_____
	25-Feb-18	<b>Sunday</b>
9	26-Feb-18	<b>Nodal Planes, system of thin lenses</b>
	27-Feb-18	<b>Problems on Unit –III &amp; Revision in short, assignment on Unit -III</b>
	28-Feb-18	Holiays (K.U.K Vacations)

	1-Mar-18	<b>Guru Ravidas Birthday</b>
	2-Mar-18	<b>Holi</b>
	3-Mar-18	_____
	4-Mar-18	<b>Sunday</b>
10	5-Mar-18	<b>Introduction to Unit- IV: Geometric Optics- II</b>
	6-Mar-18	<b>Chromatic Aberration, cause &amp; Removal</b>
	7-Mar-18	Spherical aberration, distortion: def. & removal;
	8-Mar-18	_____
	9-Mar-18	_____
	10-Mar-18	_____
	11-Mar-18	<b>Sunday</b>
11	12-Mar-18	<b>Coma, astigmatism, Distortion: Def. &amp; Removal</b>
	13-Mar-18	<b>Optical fiber, critical angle of propagation</b>
	14-Mar-18	<b>Acceptance angle, N.A, Friction Ref. Index</b>
	15-Mar-18	_____
	16-Mar-18	_____
	17-Mar-18	_____
	18-Mar-18	<b>Sunday</b>
12	19-Mar-18	<b>Mode of Propagation, Types of Optical Fibers</b>
	20-Mar-18	<b>Normalized Frequency, Pulse dispersion, Attention</b>
	21-Mar-18	<b>Applications, fiber optics Comm. , Advantages</b>
	22-Mar-18	_____
	23-Mar-18	<b>Shadeedi Diwas of Bhagat Singh, Rajguru &amp; Sukhdev</b>
	24-Mar-18	_____
	25-Mar-18	<b>Sunday/Ram Navami</b>
13	26-Mar-18	<b>Revision of Unit-IV &amp; Numerical Problems</b>
	27-Mar-18	<b>Test- II on unit –IV &amp; Assignment - III</b>
	28-Mar-18	<b>Introduction To Unit – I: Polarization</b>
	29-Mar-18	<b>Mahavir Jayanti</b>
	30-Mar-18	_____
	31-Mar-18	_____

	1-Apr-18	<b>Sunday</b>
14	2-Apr-18	<b>Polarization by reflection, refraction, scattering, Law</b>
	3-Apr-18	<b>Double Refraction, Calcite crystal- optic axis P. Planes</b>
	4-Apr-18	<b>Types Of crystals, Nicol Prism details</b>
	5-Apr-18	_____
	6-Apr-18	_____
	7-Apr-18	_____
	8-Apr-18	<b>Sunday</b>
	15	9-Apr-18
10-Apr-18		<b>Production Of Circularly &amp; Elliptical Polarized Light</b>
11-Apr-18		<b>Detection Of Plane, Circularly, elliptical Pol. Light</b>
12-Apr-18		_____
13-Apr-18		_____
14-Apr-18		<b>Dr. Ambedkar Jayanti/Vaisakhi</b>
15-Apr-18		<b>Sunday</b>
16	16-Apr-18	<b>Optical Activity, optical Rotation &amp; sp. Rotation</b>
	17-Apr-18	<b>Feesnel's Theory of optical Rotation, Palariunda General</b>
	18-Apr-18	<b>Parshurama Jayanti</b>
	19-Apr-18	_____
	20-Apr-18	_____
	21-Apr-18	_____
	22-Apr-18	<b>Sunday</b>
	17	23-Apr-18
24-Apr-18		<b>Numerical Prob. In Unit- I &amp; Revision</b>
25-Apr-18		<b>Test On Unit-I</b>
26-Apr-18		_____
27-Apr-18		_____
28-Apr-18		_____

