

## SUMMARY OF LESSON PLAN

Name of the Assistant/ Associate Professor : MISS POOJA RANI  
Class and Section : B.Sc 2<sup>nd</sup> (N.M+C.S)  
Subject Lesson Plan : PHYSICS (PH-402)  
Month : January 2018

Date	Topics
01-01-2018	
02-01-2018	
03-01-2018	
04-01-2018	UNIT 1 INTRODUCTION, POLARIZATION BY REFLECTION, REFRACTION AND SCATTERING
05-01-2018	GURU GOBIND SINGH JAYANTI
06-01-2018	MALUS LAW, PHENOMENON OF DOUBLE REFRACTION, HUYGEN'S WAVE THEORY OF DOUBLE REFRACTION
07-01-2018	SUNDAY
08-01-2018	
09-01-2018	
10-01-2018	
11-01-2018	ANALYSIS OF POLARIZED LIGHT
12-01-2018	NICOL PRISM, QUARTER WAVE PLATE AND HALF PLATE
13-01-2018	PRODUCTION AND DETECTION OF: 1) PLANE POLARIZED LIGHT
14-01-2018	SUNDAY
15-01-2018	
16-01-2018	

Month

: January 2018

Date	Particulars
17-01-2018	
18-01-2018	PRODUCTION AND DETECTION OF CIRCULARLY POLARIZED LIGHT
19-01-2018	PRODUCTION AND DETECTION OF ELLIPTICALLY POLARIZED LIGHT, FRESNEL'S THEORY OF OPTICAL ROTATION, SPECIFIC ROTATION, POLARIMETERS
20-01-2018	PROBLEMS DISCUSSION
21-01-2018	SUNDAY
22-01-2018	VASANT PANCHAMI
23-01-2018	
24-01-2018	SIR CHOTU RAM JAYANTI
25-01-2018	SEMINAR
26-01-2018	REPUBLIC DAY
27-01-2018	COMPLETE UNIT 1 TEST
28-01-2018	SUNDAY
29-01-2018	
30-01-2018	
31-01-2018	

Month : February 2018

Date	Topics
01-02-2018	UNIT 2 INTRODUCTION,FOURIER THEOREM AND FOURIER SERIES
02-02-2018	EVALUATION OF FOURIER COEFFICIENT,IMPORTANCE AND LIIMITATIONS OF FOURIER THEOREM
03-02-2018	EVEN AND ODD FUNCTIONS
04-02-2018	SUNDAY
05-02-2018	
06-02-2018	
07-02-2018	
08-02-2018	TEST
09-02-2018	FOURIER SERIES OF FUNCTIONS $f(x)$ BETWEEN 1.(0 TO $2\pi$ ) 2.)- $\pi$ to $\pi$ 3.)0 to $\pi$ 4.)-L TO L,
10-02-2018	MAHARSHI DAYANAND SARASWATI JAYANTI
11-02-2018	SUNDAY
12-02-2018	
13-02-2018	MAHA SHIVRATRI
14-02-2018	
15-02-2018	COMPLEX FORM OF FOURIER SERIES
16-02-2018	TEST

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: February 2018

Date	Particulars
17-02-2018	SEMINAR
18-02-2018	SUNDAY
19-02-2018	
20-02-2018	
21-02-2018	
22-02-2018	APPLICATION OF FOURIER THEOREM FOR ANALYSIS OF COMPLEX WAVES: SOLUTION OF TRIANGULAR AND RECTANGULAR WAVES
23-02-2018	APPLICATION OF FOURIER THEOREM FOR ANALYSIS OF HALF AND FULL WAVE RECTIFIER OUTPUT
24-02-2018	PARSEVALS IDENTITY FOR FOURIER SERIES ,FOURIER INTEGRALS
25-02-2018	SUNDAY
26-02-2018	
27-02-2018	
28-02-2018	VACATION

**Month** : **March 2018**

<b>Date</b>	<b>Topics</b>
01-03-2018	PROBLEM DISCUSSION
02-03-2018	HOLI
03-03-2018	VACATION
04-03-2018	SUNDAY
05-03-2018	
06-03-2018	
07-03-2018	
08-03-2018	REVISION
09-03-2018	SEMINAR
10-03-2018	COMPLETE UNIT 2 TEST
11-03-2018	SUNDAY
12-03-2018	
13-03-2018	
14-03-2018	
15-03-2018	UNIT 3 INTRODUCTION,FOURIER TRANSFORMS AND ITS PROPERTIES
16-03-2018	APPLICATION OF FOURIER TRANSFORM1.) FOR EVALUATING OF INTEGRALS

Month

: March 2018

Date	Particulars
17-03-2018	APPLICATION OF FOURIER TRANSFORM 2.) FOR SOLUTION OF ORDINARY DIFFERENTIAL EQUATIONS
18-03-2018	SUNDAY
19-03-2018	
20-03-2018	
21-03-2018	
22-03-2018	APPLICATION OF FOURIER TRANSFORM: FOLLOWING FUNCTIONS: 1.) $f(x) = e^{x^2}$ 2.) $f(x) = 1$
23-03-2018	MATRIX METHODS IN PARAXIAL OPTICS, EFFECTS OF TRANSLATION AND REFRACTION
24-03-2018	TEST
25-03-2018	SUNDAY/ RAM NAVMI
26-03-2018	
27-03-2018	
28-03-2018	
29-03-2018	MAHAVIR JAYANTI
30-03-2018	GOOD FRIDAY
31-03-2018	DERIVATION OF THIN AND THICK LENS, UNIT PLANE, NODAL PLANES, SYSTEM OF THIN LENSES

Month : April 2018

Date	Topics
01-04-2018	SUNDAY
02-04-2018	
03-04-2018	
04-04-2018	
05-04-2018	PROBLEM DISCUSSION
06-04-2018	SEMINAR
07-04-2018	COMPLETE UNIT 3 TEST
08-04-2018	SUNDAY
09-04-2018	
10-04-2018	
11-04-2018	
12-04-2018	UNIT 4 CHROMATIC ,SPHERICAL,COMA,ASTIGMATISM,AND DISTORTION,ABERRATIONS AND THEIR REMEDIES
13-04-2018	OPTICAL FIBER,CRITICAL ANGLE,MODE OF PROPAGATION,ACCEPTANCE ANGLE,FRACTIONAL REFRACTIVE INDEX CHANGE,NUMERICAL APERTURE
14-04-2018	TYPES OF OPTICAL FIBER,
15-04-2018	SUNDAY
16-04-2018	

**Month**

**: April 2018**

<b>Date</b>	<b>Particulars</b>
17-04-2018	
18-04-2018	<b>PARASHURAMA JAYANTI</b>
19-04-2018	<b>NORMALIZED FREQUENCY,PULSE DISPERSION</b>
20-04-2018	<b>ATTENUATION,APPLICATIONS</b>
21-04-2018	<b>FIBER OPTIC COMMUNICATION,ADVANTAGES</b>
22-04-2018	<b>SUNDAY</b>
23-04-2018	
24-04-2018	
25-04-2018	
26-04-2018	<b>PROBLEM DISCUSSION</b>
27-04-2018	<b>SEMINAR</b>
28-04-2018	<b>COMPLETE UNIT 4 TEST</b>
29-04-2018	<b>SUNDAY</b>
30-04-2018	<b>REVISION</b>