

Name of Asst. Professor - Nidhi

Subject - Physics

Class - B.Sc. 2<sup>nd</sup> Year

(44)

LAXMI

(3<sup>rd</sup> Sem)

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Experiment No. ....

Date .....

Date	Topics
13 July 2018	Fourier Analysis
14 July "	Fourier Transform
16 "	Speed of transverse wave
17 "	Speed of longitudinal waves in liquids
18 "	Superposition of waves
19 "	Fourier series fun. $f(x)$ b/w limits $\pi$ to $-\pi$
20 "	Complex form of Fourier series
21 "	Application of Fourier series
23 "	Triangular wave
24 "	Square wave
25 "	Saw tooth wave
26 "	Half wave Rectifier output
27 "	Full " " "
28 "	Fourier transform & its properties
30 "	Application of Fourier transform
1 August 2018	$f(x) = e^{-x^2/2}$
2 "	$f(x) = \begin{cases} 1 & \{x < 9\} \\ 0 & \{x > 9\} \end{cases}$
3 "	Geometrical optics
4 "	Matrix method in paraxial optics
6 "	effect of translation.
7 "	effect of reflection
8 "	Numericals
9 "	"
10 "	"

Date	Topics
11 August 2017	Derivation of Thin Lens
13 "	Thick Lens formula
14 "	Numericals
16 "	"
17 "	"
18 "	Unit Planes
20 "	Nodal "
21 "	System of thin Lenses
23 "	Chromatic aberration
24 "	Spherical
27 "	Coma
28 "	Astigmatism
29 "	Distortion
30 "	Remedies for all aberration
31 "	Physical optics
1 sept. 2017	Interference by Division of wavefront
4 "	Fresnel Biprism
5 "	Young's double slit experiment
6 "	Lloyd Mirror
7 "	Application of Fresnel Biprism exp.
9 "	Phase change on Reflection
16 "	Difference b/w Lloyd Mirror & Biprism
11 "	Numericals
12 "	"

Nome of Asslt. Professors - Nidhi

Subject - Physics

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Date	Topics
13 Sept. 2018	Computer Organisation
14 "	Binary Representation
15 "	Algorithm Development
17 "	Flow charts
18 "	Representation of flow charts
19 "	Foran Preliminaries
20 "	Integer & Floating point
21 "	Aithmetic expression
22 "	Built in fun.
24 "	executable statement
25 "	Non-executable "
26 "	Input statement
27 "	Output "
28 "	formats
29 "	of statement
1 Oct 2018	Do "
3 "	Go To "
4 "	Dimensions Array statement fun.
5 "	Function subprogram
6 "	Thermodynamics - introduction
8 "	Zeroth Law Quasi static Process
9 "	2 <sup>nd</sup> Law of thermodynamics
10 "	Carnot engine
11 "	Carnot Theorem

Date	Topics
12 Oct, 2017	Absolute scale of temp.
13 "	Entropy
15 "	T-s Diagram
16 "	Nernst Heat Law
17 "	Joule Thomson experiment
19 "	Liquidation of gases
20 "	Clausius - clapeyron latent heat eq <sup>n</sup> .
22 "	Phase Diagram $\rightarrow$ triple point
23 "	Maxwell Thermodynamic Relation
25 "	Application of Maxwell thermodynamic Relation
26 "	Thermodynamic fun.
27 "	Internal energy
29 "	Helmholtz fun
30 "	Enthalpy
31 "	Gibb's fun
2 Nov, 2018	Numericals
3 "	"
5 "	"

Wdha  
18/08/2018