

Notice

Course Name: "Waves and Oscillations"

Duration: 17 days

Start date: 20/7/2024

End date: 5/8/2024

Organized by: physics Department

The physics department is going to conduct a certificate course on "Waves and Oscillations" with encouragement of principal B. Hanitha mam. for all the students of the college from 20/7/2024 to 5/8/2024 for 17 days programme everyday 2 hours i.e., 2:30pm-4:30pm time allotted for this course.

Shireeshha
L. Shireesha
Course organized by

Department of Physics
TGWDRDC(M)-UTNOOR(639)
Dist:Adilabad

PRINCIPAL
TGWDRDC (Girls)
UTNOOR-504311
Dist: Adilabad-TG

Syllabus

→ fundamental of vibrations introduction, The simple oscillator characteristics of S.H.M, Energy of S.H.M, Frequency of vibration of a spring, principle of superposition of waves, linear superposition of two waves of same frequency, Resultant of n simple harmonic motions, combination of two mutually perpendicular S.H. vibrations, Lissajous figures and their Graphical representations, Determination of frequency, Damped harmonic oscillator, energy & power dissipation in damped harmonic oscillator, logarithmic decrement, Relaxation time & Quality factor, forced vibrations, Resonance.

Schedule

Day	Topic
Day 1	Introduction of fundamental of vibrations
Day 2	The simple oscillator, ω
Day 3	Characteristics of S.H.M
Day 4	Energy of S.H.M
Day 5	frequency of vibration of a spring
Day 6	principle of superposition of waves,
Day 7	linear superposition of two waves of same frequency
Day 8	Resultant of n simple harmonic motions,
Day 9	Combination of two mutually perpendicular S.H. vibrations
Day 10	Lissajous figures and their graphical representation
Day 11	Determination of frequency,
Day 12	Damped harmonic oscillator,
Day 13	energy and power dissipation in damped H.O
Day 14	logarithmic decrement, Relaxation time
Day 15	and Quality factor,
Day 16	forced vibrations
Day 17	Resonance.

Student Attendance

No.30

S.No	Student Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	A. Dripathabai	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
2	A. Laxmi	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
3	A. Laxmi	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
4	A. mamatha	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
5	A. Tejashwini	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
6	D. manika	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
7	H.K. Geetha	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
8	J. karthika	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
9	H.K. Smt. Li	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
10	J. Bheembai	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
11	J. Dhairyanvathi	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
12	K. Saraswathi	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
13	K. Deepasai	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
14	K. Anusudha	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
15	K. Lingubai	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
16	K. Sindhuja	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
17	K. Sruthi	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
18	M. Anitha	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
19	M. Janubai	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
20	M. Rashitala	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
21	N. Srinija	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
22	P. Saraswathi	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
23	P. Jangubai	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
24	R. Kozuna	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
25	R. kavani	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
26	R. manika	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
27	S. Nagammi	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
28	S. Yogitha	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
29	S. kavitha	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
30	A. Shrivisha	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
31	A. Sainidhi	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
32	B. Divya	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

Student Attendance.

No.31

S.No	Student Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
32	CH. Hemalatha	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
39	D. Prameela	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
35	G. Swapna	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
36	G. Swapna	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
37	J. Anura	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
38	J. Manjula	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
39	T. Bhymika	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
40	T. Sony	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
41	S. Pallavi	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
42	T. Soni	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
43	M. Ankitha	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
44	M. Anusuya	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
45	M. Vani	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
46	T. Pooja	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
47	J. Anjali	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
48	K. Sindhuja	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
49	K. Prameela	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
50	C. Meenakshi	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
51	N. Sony	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
52	K. Maleshwar	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
53	K. Deepika	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Shareed
 Department of Physics
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 Dist: Adilabad

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Notice

Course Name: Laser and Fiber optics and Holography
Duration: 15 days
Start date: 22/8/2024
End date: 6/9/2024
Organized by: Physics department

The Physics department is going to conduct a certificate course in laser & fiber optics for all the students of the college from 22/8/2024 to 6/9/2024 for 15 days with the encouragement of principal B. Hanitha mam. The time for this course is 2:30 - 4:30 pm.

① CH. Rani

② L. Shireesha

Course organised by

Department of Physics
TWRDC(M)-UTNOOR (639)
Dist Adilabad

PRINCIPAL
TGTWRDC (Girls)
UTNOOR-504311
Dist: Adilabad-TG

Syllabus

Laser introduction, spontaneous emission, stimulated emission, population inversion, laser principle, Einstein coefficients
Types of lasers, Applications of lasers, Introduction of fibre optics, Types of optical fibers, Rays and modes in an optical fiber, fiber material, Principles of fiber communication, advantages of fiber communication
Introduction of Holography, Gabor hologram and its limitations, Holography applications.

Schedule

Day

Topic

Day 1

Introduction to laser

Day 2

Laser principle

Day 3

Einstein coefficients

Day 4

He-Ne laser

Day 5

Ruby laser

Day 6

Applications of lasers

Day 7

Introduction to fibre optics

Day 8

Step and graded index fibres

Day 9

Rays and modes in an optical fiber

Day 10

Fiber material

Day 11

Principles of fiber communication

Day 12

Advantages of fiber communication

Day 13

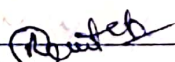
Basic principle of Holography

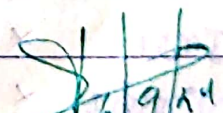
Day 14

Gabor hologram & its limitations

Day 15

Holography applications


@shwekd
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Student Attendance

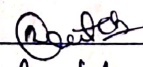
No.34

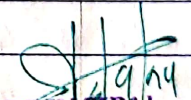
S/N	Student Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	A. Bhagyakumari	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	A. Nirmala	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	A. Rajeshwari	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	A. Vidya	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
5	B. Manjika	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	B. Sridhija	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	Ch. Saranya	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	D. Preethi	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	J. Ashwini	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	J. Bhreemeshwari	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	J. Geethajali	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	K. Anitha	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13	K. Maheshwari	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14	K. Nagalakshmi	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15	K. Vaishali	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16	M. Anusuya	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
17	M. Kaveri	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
18	M. Manjika	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
19	M. Vandini	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20	M. Radha	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
21	M. Samatha	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22	M. Sani	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23	M. Shreerupa	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
24	N. Rajitha	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
25	P. Anitha	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
26	P. Gouthami	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
27	P. Jami	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
28	P. Nirosha	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
29	P. Reethu	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
30	P. Taveni	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
31	R. Padma	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
32	R. Vanaja	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Student Attendance

No.35

S No	Student Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
33	R. Padma	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
34	R. Vanaja	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
35	S. Lavanya	x	x	x	x	x	a	a	x	x	x	x	x	x	x	x
36	S. Sujatha	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
37	T. Gangajamma	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
38	T. Gangasagar	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
39	U. Manika	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
40	Y. Akshaya	x	x	x	x	x	a	a	x	x	x	x	x	x	x	x
41	Amruthabai	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
42	A. Laxmi	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
43	A. Mamatha	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
44	M. Anitha	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
45	M. Jyoti	x	x	x	x	x	a	a	x	x	x	x	x	x	x	x
46	M. Sathi	x	a	a	x	x	x	x	x	x	x	x	x	x	x	x
47	M. Rashika	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
48	L. Deepa	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
49	N. Sarifa	x	x	x	x	x	a	a	x	x	x	x	x	x	x	x
50	R. Jyoti	x	x	x	x	x	x	x	x	x	x	a	a	x	x	x
51	S. Nagmani	x	x	x	x	x	x	x	a	x	x	x	x	x	x	x
52	R. Kausar	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
53	D. Manita	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x


Department of Physics
TTWRDC(W)-UTNOOR(639)
Dist: Adilabad


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UTNOOR-504311
Dist: Adilabad-TG

Notice

Course Name: "Condensed Matter physics"

Duration: 16 days

Start date: 03-02-2025

End date: 17-02-2025

Organized by: Physics Department

The physics department is going to conduct a certificate course on "Condensed Matter physics" for all students of the college from to for days with the encouragement of principal Banoth Hanitha mam. The time for this course is 2:30-4:30pm

~~Principals~~

① CH. Rani

~~Principals~~

① L. Shireesha

Course organized by

Department of Physics

TTWRDC(W)-UTNOOR(639)

Dist: Adilabad

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TTWRDC(W)-UTNOOR(639)
Dist: Adilabad

Syllabus:-

Types of matter, states of matter, Triple point, describing condensed matter microscopically, unit cell concept, x-ray scattering, Diffraction and structure factor, The free electron gas in metals, Bonding of solids, Elastic properties, phonons, lattice specific heat, Drude theory of transport, Response to electromagnetic fields, Gap at zone boundaries, Kronig-penny model of solids.

Schedule

Day	Topic
Day 1	Introduction of condensed matter physics
Day 2	states of matter,
Day 3	Trippe point
Day 4	Describing condensed matter microscopically
Day 5	unit cell concept
Day 6	x-ray scattering
Day 7	diffraction and structure factor
Day 8	The free electron gas in metals
Day 9	Bonding of solids
Day 10	Elastic properties
Day 11	phonons concept
Day 12	lattice specific heat
Day 13	Drude theory of transport
Day 14	Response to electromagnetic fields
Day 15	Gap at zone boundaries
Day 16	Kronig penny model of solids

Shreshth
Department of Physics
TTWRDC(W)-UTNOOR (639)
Dist: Adilabad

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Dist: Adilabad-TG

No.38 Student Attendance

SNO	Student Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	A. Nirmala	X	X	X	X	X	X	X	X	X	X	X	X	X	X
2	A. Rajeshwari	X	X	X	X	X	X	X	X	X	X	X	X	X	X
3	A. Vidyasa	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4	B. Manika	X	X	X	X	X	a	a	X	X	X	X	X	X	X
5	B. Sindhuja	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6	CH. Sabari	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7	D. Preethi	X	X	X	X	X	X	X	X	X	X	X	X	X	X
8	J. Ashwini	X	X	X	X	X	X	X	X	X	X	X	X	X	X
9	J. Geethanjali	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10	K. Anitha	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11	K. Maheshwari	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12	K. Nagalaxmi	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13	K. Vaishali	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14	M. Anasuya	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15	M. Kaveri	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16	M. Nandini	X	X	X	X	X	X	X	X	X	X	X	X	X	X
17	M. Radha	X	X	X	X	X	X	X	X	X	a	a	X	X	X
18	M. Samatha	X	X	X	X	X	X	X	X	X	X	X	X	X	X
19	M. Soni	X	X	X	X	X	X	X	X	X	X	X	X	X	X
20	M. Sherubai	X	X	X	X	X	X	X	X	X	X	X	X	X	X
21	N. Rajitha	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22	P. Arthi	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23	P. Gowthami	X	X	X	X	X	X	X	X	a	a	X	X	X	X
24	P. Jaru	X	X	X	X	X	X	X	X	X	X	X	X	X	X
25	P. Nisha	X	X	X	X	X	X	X	X	X	X	X	X	X	X
26	P. Reethu	X	X	X	X	X	X	X	X	X	X	X	X	X	X
27	P. Triveni	a	a	X	X	X	X	X	X	X	X	X	X	X	X
28	R. Padma	X	X	X	X	X	X	X	X	X	X	X	X	X	X
29	R. Vanaja	X	X	X	X	X	X	X	X	X	X	X	X	X	X
30	R. Padma	X	X	X	X	X	X	a	a	a	X	X	X	X	X
31	S. Lavanya	X	X	X	X	X	X	X	X	X	X	X	X	X	X
32	S. Sujatha	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Student Attendance

No. 39

C.No	Student Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
33	T. Gangaamun	X	X	X	X	X	X	X	X	X	a	a	X	X	X	X	X
34	T. Gangaagan	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
35	J. Manika	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
36	Y. Akshaya	X	X	X	X	X	a	a	a	X	X	X	X	X	X	X	X
37	A. Droupathai	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
38	P. Jangubai	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
39	A. mamatha	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
40	M. Anitha	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
41	M. Rashikala	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
42	N. Sainija	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
43	M. Sathi	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
44	S. Nagamani	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
45	T. Sony	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
46	S. Pallavi	X	X	a	a	a	X	X	X	X	X	X	X	X	X	X	X
47	T. Bhumika	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
48	K. Prameela	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
49	T. Soni	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
50	N. Sony	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
51	K. Deepika	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
52	K. Manjula	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
53	A. Srinidhi	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
54	G. Swapna	X	X	X	X	X	X	X	X	X	a	a	a	X	X	X	X
55	B. Divya	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
56	A. Shirisha	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

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