RAJIV GANDHI GOVT. COLLEGE FOR WOMEN, BHIWANI

LESSON PLAN 2023-24

Class: B.Sc. Ist sem

Subject: Physics

Name of Paper: Mechanics-I

Name of Teacher: ANJU SHARMA

Month	Week	
August	Week 1st	Unit-I, Dynamics of a single Particle, Dynamics of system of particles
	Week 2nd	Centre of mass, conservation of linear momentum, conservation of energy
	Week 3rd	Unit-2 Angular displacement, angular velocity, angular acceleration & angular momentum Torque
	Week 4th	Conservation of angular momentum, Motion of Rocket, frame of reference
September	Week 1st	Non inertial frame of reference & Pseudo forces.
	Week 2nd	Unit-3 Rotation of rigid body, moment of ~~inter~~ inertia, Kinetic energy of rotation
	Week 3rd	Theorems of perpendicular & parallel axis with proof
	Week 4th	MOI of solid sphere, hollow sphere, spherical shell, solid cylinder, hollow cylinder
October	Week 1st	MOI of solid bar of rectangular cross-section Acceleration of a body rolling down inclined plane
	Week 2nd	Unit-4 Simple harmonic motion
	Week 3rd	Differential eqn of SHM & its solution
	Week 4th	K.E & P.E, total energy & time averages
November	Week 1st	Damped & forced harmonic oscillators.
	Week 2nd	Test & Revision

Teacher's Signature

RAJIV GANDHI GOVT. COLLEGE FOR WOMEN BHIWANI

LESSON PLAN

SESSION 2023-24 (ODD SEM)

DEPARTMENT: PHYSICS **NAME OF FACULTY: Dr. NAVNEET SINGH**

Class: B.Sc. 5th Sem. Sec A & B **Subject: SOLID STATE PHYSUICS**

July 2023:

4th week: Crystal structure, Crystalline and amorphous solids, Liquid crystals, Practical: Study of B-H Curve

August 2023:

1st week: periodicity lattice and basis, Crystal translation vectors and axes, unit cell, primitive cell, winger seitz primitive cell, Practical: Four Probe method to measure energy Band Gap

2nd week: Symmetry operations for a two dimensional crystal, Bravais lattice in two and three dimensions, Practical: e/m Thomson method

3rd week: Crystal plane and Miller indices, crystal structure of NaCl and diamond and test of unit 1. Practical: Revision

4th week: X-ray diffraction, Bragg's law, and experimental X-ray diffraction methods, Practical: Double slit interference by He-Ne laser

September 2023:

1st week: K-space, reciprocal lattice and its physical significance, reciprocal lattice vector, Practical: Diameter of a thin wire by diffraction method

2nd week: Reciprocal lattice to simple cubic lattice, BCC, FCC, Practical: Revision

3rd week: Free electron gas models and its failure, sommerfeld quantum theory, Practical: Four Probe method to measure energy Band Gap

4th week: Hall effect, lattice vibrations, specific heat of solids, Practical: e/m Thomson method

October 2023:

1st week: Dulog and Petit's law Einstein theory of specific heat of solids, Practical: Revision

2nd week: Debye theory of specific heat of solids and Test of Unit-2, Practical: Double slit interference by He-Ne laser

3rd week: Dia-, para-, ferri- and ferro- magnetic materials, Practical: Diameter of a thin wire by diffraction method

4th week: Classical Langevin theory of dia and para magnetic domains, Practical: Revision

November 2023:

1st week: Curie's law, Weiss theory of ferromagnetism and ferromagnetic domains, Practical: Assessment Viva-voce of all practicals

2nd week: Introduction to superconductivity, survey of superconductivity, Practical: Assessment Viva-voce of all practicals

3rd week: Superconducting systems, types of superconductors, Practical: Assessment Viva-voce of all practicals

4th week: Revision of syllabus, Practical: Assessment Viva-voce of all practicals.

SIGNATURE

RAJIV GANDHI GOVT. COLLEGE FOR WOMEN BHIWANI

LESSON PLAN

SESSION 2023-24 (EVEN SEM)

DEPARTMENT: Physics **NAME OF FACULTY:** BHISM NARAYAN

Class: B.Sc Ist (Sem.) **Subject:** Electrostatics and magnetism

JULY 2023:

WEEK 4: Review of vector algebra, gradient, divergence and their significance

AUGUST 2023:

WEEK 1: Vector integration, line, surface and volume integral of vector fields.

WEEK 2: Gauss - divergence theorm and stoke's theorm.

WEEK 3: Numerical problems.

WEEK 4: Electrostatic field, electric flux, Gauss theorm of electrostatics; Application of Gauss Theorm - electric field due to a point charge,

SEPTEMBER 2023:

WEEK 1: Infinite line of charge, uniformly chargeed spherical shell and

WEEK 2: solid sphere, plane charged sheet;

WEEK 3: electric potential as line integral of electric field, potential due to a point charge, elec-dipole, uniformly charge spherical shell

WEEK 4: solid sphere, calculation of electric field from potential. N.P Capacitance of an isolated spherical conductor, parallelplates,

OCTOBER 2023:

WEEK 1: Spherical and cylindrical condenser, Energy per unit volume in electrostatic field, Dielectric medium

WEEK 2: Polarisation, Displacement vector, Gauss's theorm in dielectric.

WEEK 3: Parallel plate capacitor completly filled with dielectric Numerical problem.

WEEK4: Magnetostatics - Biot-Savart's law & its applications as straight line, circular coil.

NOVEMBER 2023:

WEEK 1: ~~Cylindrical condenser, Energy per unit volume~~

WEEK 2: solenoid carrying current, Divergence and Curl of magnetic field

WEEK 3: Magnetic vector potential, Ampere's circuital law,

WEEK4: Magnetic properties of material, Magnetic intensity. Magnetic induction, permeability, magnetic susceptibility, Brief introduction of dia; para- and ferro - magnetic materials

RAJIV GANDHI GOVT. COLLEGE FOR WOMEN, BHIWANI

Lesson Plan

Session _2023-24 (Odd Semester)

Name of Subject Incharge Mrs- Premlata yadav

Class B.Sc 2nd yeare (3rd sem)

Subject optics

Month & Year	Topics
July .2023	wave optics : electromagnetic nature of light. Huygens Principle, Interference : Division of amplitude and division of wavefront. Young's Double slit experiment.
August	Fresnel's Biprism, Phase change on reflection, Wedge-shaped films, Fringes of equal inclination, Newton's Ring: Michelson's Interferometer.
septemba	Fresnel Diffraction: Fresnel's Assumptions, Fresnel's Half-Period zones. Theory of a Zone Plate and its application. Qualitative description for Fresnel diffraction pattern of a straight edge, a slit and a wire.
october	Single slit, Double slit and multiple slits, Various kind of diffraction grating, resolving power of grating, Rayleigh criteria Resolving Power of an optical instrument.
November	Double refraction, Plane polarized light- production and analysis, Half & Full wave plates, optical activity, optical Fibres- Construction and working, Modes of propagation Applications.

Premlata

SIGNATURE

RAJIV GANDHI GOVT. COLLEGE FOR WOMEN BHIWANI

LESSON PLAN

SESSION 2023-24 (EVEN SEM)

DEPARTMENT: PHYSICS **NAME OF FACULTY: Dr. NAVNEET SINGH**

Class: B.Sc. 6th Sem. Sec A & B **Subject: NUCLEAR PHYSICS**

FEBRUARY 2024:

WEEK 1: Nuclear mass and binding energy, binding energy curve, Properties of nuclei, Determination of nuclear mass by Bain Bridge and Jordan mass spectrograph. Practical: Study of Harley Oscillator

WEEK 2: Determination of nuclear charge by Mosley law, Determination of size of nuclei by Rutherford back scattering. Practical: Study of C-E Transistor Characteristics

WEEK 3: Interaction of heavy charged particle, Alpha disintegration and its theory, energy loss of heavy charged particle, energetic of Alpha decay. Practical: Study of C-B Transistor Characteristics

WEEK 4: Range and straggling of Alpha particle, Geiger Nuttal law, Introduction of lighter charged particle, origin of continuous beta spectrum, Practical: Study of C-C Transistor Characteristics

MARCH 2024

WEEK 1: types of beta decay, energy of beta decay energy loss of beta particle, range of electron, absorption of beta particles, Practical: Resolving power of grating

WEEK 2: Interaction of Gamma ray, Nature of Gamma rays, energetic of gamma rays, photoelectric, Compton and pair production, Practical: Resolving power of prism

WEEK 3: electron positron annihilation, absorption of gamma rays and its application, Practical: Study of Op-amp Characteristics

WEEK 4: Types of Nuclear reactions, conservation laws, Q value of nuclear reaction and reaction threshold, Practical: Study of Collpits Oscillator

APRIL 2024 :

WEEK 1: Nuclear reactor, general aspects of reactor design, Nuclear fission and fusion reactors, Practical: Revision

WEEK 2: Linear accelerator, Tendom accelerator, Cyclotron, betatron, Practical: Revision

WEEK 3: ionization chamber, proportional counter, G.M. counter, Practical: Revision

WEEK 4: scientilation counter and semiconductor detector, Practical: Revision

Navneet Singh

SIGNATURE

RAJIV GANDHI GOVT. COLLEGE FOR WOMEN BHIWANI

LESSON PLAN

SESSION 2023-24 (EVEN SEM)

DEPARTMENT: PHYSICS **NAME OF FACULTY:** BHISM NARAYAN

Class: B.Sc 2nd sem (NM+CS) **Subject:** Physics (Mechanics-II)

JANUARY 2024 :

WEEK 3: } University exams

WEEK 4:

FEBRUARY 2024 :

WEEK 1: } university & Practial exams

WEEK 2:

WEEK 3: Degrees of freedom, constraints & classifications, generalised co-ordinates, Principle of virtual work, D'Alambert Principle

WEEK 4: Lagrange's eqⁿ of Simple & Compound pendulum, Atwood's machine, Hamilton's Principle & derivation of Lagrange's eqⁿ from Hamilton's Principle.

MARCH 2024

WEEK 1: Reference systems, inertial frames, Gallilean invariance & conservation laws.

WEEK 2: Newtonian relativity Principle, Michelson-Morley expt & its outcome special theory of relativity, Lorentz transformation

WEEK 3: Length contraction & time dilation, velocity addition theorem, variation of mass with velocity, energy mass equivalence,

WEEK 4: massless particles, Relativistic doppler effect. Transformation of energy & momentum.

APRIL 2024 :

WEEK 1: Elasticity : Hooke's Law, Stress - strain relation, Elastic-moduli - relation between elastic constants, Poisson's Ratio

WEEK 2: work done in streching & twisting a wire, twisting couple on a cylinder.

WEEK 3: Torsional pendulum, determination of η by static torsion

WEEK4: Determination of η & I, or by Searle's method.

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RAJIV GANDHI GOVT. COLLEGE FOR WOMEN BHIWANI

LESSON PLAN

SESSION 2023-24 (EVEN SEM)

DEPARTMENT: PHYSICS **NAME OF FACULTY:** ANJU SHARMA

Class: B.Sc - 2nd sem (NMH C.S.) **Subject:** Physics (waves & electrodynamics)

JANUARY 2024 :

WEEK 3:

WEEK 4: } University exams & Practical exams

FEBRUARY 2024 :

WEEK 1:

WEEK 2: } Practical exams

WEEK 3: Faraday laws of EMI, Lenz's law, self & mutual inductance, L of single coil, M of two coils

WEEK 4: Energy stored in mag. field, eqn of continuity of current, displacement current, Maxwell's equations in vacuum & medium.

MARCH 2024

WEEK 1: Energy density in EM field, EMW propagation through vacuum & isotropic dielectric medium

WEEK 2: Superposition of two collinear harmonic oscillations – linearity & superposition principle (1) Oscillations having equal & different frequencies.

WEEK 3: Superposition of perpendicular harmonic oscillations, graphical & analytical methods, Lissajous figures with equal & unequal frequency & their uses.

WEEK 4: Wave eqn & its solution, Particle & wave velocities, intensity of wave, group velocity, Phase velocity, definition & properties of wavefront.

APRIL 2024 :

WEEK 1: Huygens Principle, velocity of longitudinal waves in a fluid in a pipe, Newton's formula for velocity of sound, Laplace's correction, Reflection

WEEK 2: Transmission of sound waves at boundary. The string as force oscillator, velocity of transverse vibrations of stretched strings

WEEK 3: Transverse waves on a string, Travelling & standing waves on string.

WEEK4: Normal modes of string, Reflections & transmission of energy.

Anju

SIGNATURE

RAJIV GANDHI GOVT. COLLEGE FOR WOMEN BHIWANI

LESSON PLAN

SESSION 2023-24 (EVEN SEM)

DEPARTMENT: PHYSICS **NAME OF FACULTY:** AMIT

Class: B.Sc. 4th sem [N.M+C.S] **Subject:** Physics [Semiconductor devices]

JANUARY 2024 :

WEEK 3: } University Exam & Practical

WEEK 4: }

FEBRUARY 2024 :

WEEK 1: Introduction, P-N function diode, Semiconductor Basic

WEEK 2: Current Flow in Semiconductor, Forward and Reverse Biasing.

WEEK 3: Drift and Diffusion Current, characteristics of Diode, Static and Dynamic Resistance.

WEEK 4: Half-Wave Rectifier.

MARCH 2024

WEEK 1: ~~Holi vacations~~ Full wave Rectifier, Problem of unit-I

WEEK 2: Introduction of Transistor, types of Transistor, Current flow in transistor.

WEEK 3: Characteristics of CB, CE and CC configuration. Relation between current gains.

WEEK 4: DC Load line and Q-point.

APRIL 2024 :

WEEK 1: H-parameters equivalent circuit. Test - Unit-I & II

WEEK 2: FET and its advantages and Amplifiers classes

WEEK 3: Feedback Cricuit in Amplifier, Basic of operational Amplifier.

WEEK 4: Gain of op-amp, Application of op-Amps.

SIGNATURE

RAJIV GANDHI GOVT. COLLEGE FOR WOMEN BHIWANI

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Ref. No. .....

Dated .....

LESSON PLAN
SESSION 2023-24 (EVEN SEM) IV sem

DEPARTMENT- PHYSICS

NAME OF FACULTY Mrs. Premleta yadav

SUBJECT PHYSICS (Quantum Mechanics)

JANURAY 2024

WEEK 3 Black body radiation, theory of radiation, Photon, photoelectric effect and Einsteins photoelectric effect. Compton effect.

WEEK 4 Phase velocity, group velocity.

FEBRUARY 2024

WEEK 1 Heisenberg's uncertainty principle, Time, energy and angular momentum

WEEK 2 Uncertainty principle from de-broglie wave. wave function and its physical significance.

WEEK 3 Properties of wave function, Orthogonality and normalization, Time dependent schrodinger,

WEEK 4 Independent schrodinger wave eqn, Momentum & energy operators, Hermitian operators.

MARCH 2024

WEEK 1

WEEK 2

WEEK 3

WEEK 4

Eigen value and eighen functions, Commutators. Stationary states, Probabilities and normalization, Probability current densities. Particle in 1-D infinite square well. Application of Schrodinger eqn, one-D potential barrier, solution of Schrodinger eqn for harmonic oscillators, Expectation value, Test.

APRIL 2024

WEEK 1

WEEK 2

WEEK 3

WEEK 4

Schrodinger eqn in spherical co-ordinates, Separation of variables for r, θ & φ. coordinates, Solution for θ and φ equations, Spherical Harmonics Space quantization, Electron spin, and Spin Angular momentum. Larmor's theorem. Spin Magnetic Moment, Stern-Gerlach Experiment, Bohr Magneton

Premlata

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RAJIV GANDHI GOVT. COLLEGE FOR WOMEN BHIWANI

LESSON PLAN

SESSION 2023-24 (EVEN SEM)

DEPARTMENT: Physics **NAME OF FACULTY:** Mukesh

Class: B.Sc (CS) VIth sem **Subject:** Physics

JANUARY 2024 :

WEEK 3: } University Exam & Practical

WEEK 4: }

FEBRUARY 2024 :

WEEK 1: Nuclear Properties, B.E/A Curve, Mag. Quadrupole Moment & Electric dipole mom

WEEK 2: Liquid drop model and Shell Model, semi-empirical Mass formula

WEEK 3: α-decay process, Theory of α-, Geiger-nuttal law, β-decay, neutrino-hypothesis

WEEK 4: Gamma-emission, kinematics of γ, Nuclear Rxn, Q-value, Rutherford scattering expt.

MARCH 2024

WEEK 1: Bloch Bethe formula, interaction of gamma rays with matter, CE, PE & PP interaction

WEEK 2: Gas filled detector, Ionization chamber, Prop. Counter, G.M. Counter, Scintillation & Semi-cond detector

WEEK 3: Atomic-Spectra-Bohr. Model, vector atom model.

WEEK 4: Quantum number associated with vector model, penetrating & non-penetrating orbit

APRIL 2024 :

WEEK 1: - Holi holidays

WEEK 2: Alkali spectra, Spin-orbit interaction, LS, & JJ Coupling, Zeeman effect.

WEEK 3: Paschen back effect, Stark effect, Vib & Rot. spectra, Raman effect.

WEEK4: properties of laser, Einstein coefficient, threshold Condition, He-Ne lasers & Ruby lasers Construction & working

11/3/24

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RAJIV GANDHI GOVT. COLLEGE FOR WOMEN BHIWANI

LESSON PLAN

SESSION 2023-24 (EVEN SEM)

DEPARTMENT: PHYSICS **NAME OF FACULTY:** AMIT

Class: B.Sc. 3rd Sem (N.M+C.S) **Subject:** Physics (Thermodynamics)

JULY 2023:

WEEK 4: Introduction of unit-1st, Zeroth law of thermodynamics.

AUGUST 2023:

WEEK 1: First law of thermodynamics, conservation of heat, Thermodynamics Processes.

WEEK 2: Relation between specific heat, work done of Thermodynamic Process.

WEEK 3: Compressibility and Expansion coefficient, Reversible and Irreversible process, second law of Thermodynamics.

WEEK 4: Entropy, Carnot cycle of theorem, T-S and P-V Diagram.

SEPTEMBER 2023:

WEEK 1: Unit-I Test, Absolute Zero concept, Third law of Thermodynamics.

WEEK 2: Thermodynamic Potential, Maxwell's Relations.

WEEK 3: Joule-Thompson effect, Clausius-Clayfeyron equation 1st & 2nd

WEEK 4: Relation between C_p & C_v, Tds equation. Problem Unit-II

OCTOBER 2023 :

WEEK 1: Introduction of unit-III, Kinetic theory of Grases postulates, Maxwell's law.

WEEK 2: Derivation of Maxwell's law of distribution of velocities and its experimental verification. Maxwell's speed's expression.

WEEK 3: Mean free path, Brownian motion

WEEK4: Real gases, vander Waal's equation.

NOVEMBER 2023 :

WEEK 1: Law of equipartition of energy, Specific heat of gases for Mono and diatomic gases.

WEEK 2: Black body Radiation, concept of Energy density.

WEEK 3: Planck's law, Wien's law and Rayleigh-Jeans Law.

WEEK4: Stefan Boltzmann and wein's displacement law from Plank's law, Unit Test.

RAJIV GANDHI GOVT. COLLEGE FOR WOMEN BHIWANI

LESSON PLAN

SESSION 2023-24 (EVEN SEM)

DEPARTMENT: PHYSICS
Class: VIth sem

NAME OF FACULTY: Ms. Sharmila
Subject: Atomic and Molecular spectroscopy

FEBRUARY 2024 :

WEEK 1:

WEEK 2: Atomic spectra, Bohar atomic model, Hydrogen spectra

WEEK 3: Energy levels and spectra, correspondence principle, atomic excitation

WEEK 4: Franck Hertz experiment, vector atom model, quantum no. associated with vector atom model.

MARCH 2024

WEEK 1: penetrating and non-penetrating orbits, alkali metal spectra, spectral lines in different series of alkali metal spectra.

WEEK 2: spin-orbit interaction, doublet term separation, ll, ss, LS and jj couplings, Zeeman effect.

WEEK 3: Paschan, Back effect, stark effect, electronic energies of molecules.

WEEK 4:

APRIL 2024 :

WEEK 1: Quantization of vibrational and rotational energies, Raman effect, stokes and anti-stoked lines.

WEEK 2: Main features of Laser, Directionality, high intensity, high degree of coherence.

WEEK 3: Einstein's co-efficient and possibility of amplification threshold condition for Laser emmission.

WEEK4: Laser pumping, He-Ne laser and Rubby laser, applications

SIGNATURE
Sharmila
Asst. Prof.
Dept. of Physics
R.G.G.C.W. Bhiwani

RAJIV GANDHI GOVT. COLLEGE FOR WOMEN BHIWANI

LESSON PLAN

SESSION 2023-24 (~~EVEN SEM~~) Odd sem

DEPARTMENT: Physics NAME OF FACULTY: Ms. Sharmila

Class: V th sem Subject: Statistical Physics

JULY 2023:

WEEK 4: Probability, some Basic considrations of probability

AUGUST 2023:

WEEK 1: Basic idea of permutations and combinations, combination possessing maximum probability, combination possessing min. prob.

WEEK 2: Distribution of molecules in two boxes, case with weightage, phase space, microstates and macrostates, statistical fluctuations

WEEK 3: Accessible states, Entropy and thermodynamic probablity, concept of ensemble and types of Ensemble.

WEEK 4: postulates of statistical physics, phase space and 1D harmonic oscillator, Free particle, Devision of phase space into cells.

SEPTEMBER 2023:

WEEK 1: Basic approach in three statistics MB distribution law,

WEEK 2: thermodynamic fn of an ideal gas, Classical Entropy expression, Gibb's paradox condition of equilibirium b/w two system in thermal contact

WEEK 3: Entropy and probability. Bose Einstein statistics.

WEEK 4: Thermodynamic relations of a completly degenerate Bose gas, Bose Einstein condensation.

OCTOBER 2023 :

WEEK 1: Liquid He, photon gas, applications of B.E statistics to plank's Radition law.

WEEK 2: F.D statistics, thermodynamic relations of a completly Degenerate Fermi gas.

WEEK 3: Fermi energy, Electron gas in metal, zero point energy

WEEK4: specific Heat of metals, thermionic emission.

NOVEMBER 2023 :

WEEK 1: White Dwarf stars, Chandrasekhar Mass unit.

WEEK 2: comparision b/w three statistics: MB, B.E and FD

WEEK 3: Students query/doubts session.

WEEK4: Test of all units.

Ms. Sharmila
Asstt. Prof., dept. of Physics
R.G.G.C.W. Bhiwani

RAJIV GANDHI GOVT. COLLEGE FOR WOMEN BHIWANI

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Ref. No. ..... Dated .....

LESSON PLAN 2023-24 (Even Semester)			
Class: B.Sc/BA 4th Semester			
Name of Paper: Mechanics (**20UMTH401**)			
Name of Faculty: Kavita Khandelwal			
Month	**Week**	**Theory's Topic**	**Practical**
Feb 2024	Week 1st	**Unit-I.** Composition and resolution of forces,	Assignment 1
	Week 2nd	Resultant of two Parallel forces and their applications.	Assignment 2
	Week 3rd	**Unit-II** Moments and Couples,	Assignment 3
	Week 4th	Analytical conditions of equilibrium of coplanar forces.	Assignment 4
Mar 2024	Week 1st	**Unit - III.** Velocity and acceleration along radial,	Assignment 5
	Week 2nd	Transverse, Tangential and Normal directions.	Assignment 6
	Week 3rd	Relative velocity and acceleration.	Assignment 7
	Week 4th	**Holi break**	
April 2024	Week 1st	Simple harmonic motion. **Class Test**	Assignment 8
	Week 2nd	**Unit - IV.** Elastic strings	Assignment 9
	Week 3rd	Newton's laws of motion .	Assignment 10
	Week 4th	Work. Power and Energy .**Revision and Class Test**	

Signature of Teacher/Faculty

Lesson Plan (Odd Semester) 2023-24

Name : AJEET KUMAR
Department : Physics
Class and Section : B.Sc. III SEM V
Subject : PHYSICS PRACTICAL

Month: August

Week	Topic
1	Basic Knowledge of Physics Practicals
	Basic Knowledge of Physics Practicals
	Basic Knowledge of Physics Practicals
2	Basic Knowledge of Physics Practicals
	Basic Knowledge of Physics Practicals
	Basic Knowledge of Physics Practicals
3	Diameter of Wire using diffraction method by LASER
	Diameter of Wire using diffraction method by LASER
	Diameter of Wire using diffraction method by LASER
4	Diameter of Wire using diffraction method by LASER
	Diameter of Wire using diffraction method by LASER
	Diameter of Wire using diffraction method by LASER
5	**Verification of truth Tables of Logic Gates**
	Verification of truth Tables of Logic Gates
	Verification of truth Tables of Logic Gates

Month: September

Week	Topic
1	**Verification of truth Tables of Logic Gates**
	Verification of truth Tables of Logic Gates
	Verification of truth Tables of Logic Gates
2	Electron to Mass Ration by Thomson Method
	Electron to Mass Ration by Thomson Method
	Electron to Mass Ration by Thomson Method
3	Electron to Mass Ration by Thomson Method
	Electron to Mass Ration by Thomson Method
	Electron to Mass Ration by Thomson Method

4	Introduction to CRO
	Introduction to CRO
	Introduction to CRO
5	**Study of B-H Curve by CRO**
	Study of B-H Curve by CRO
	Study of B-H Curve by CRO

Month: October

Week	Topic
1	**Study of B-H Curve by CRO**
	Study of B-H Curve by CRO
	Study of B-H Curve by CRO
2	Measurement of Energy Gap by Four Probe Methode
	Measurement of Energy Gap by Four Probe Methode
	Measurement of Energy Gap by Four Probe Methode
3	Measurement of Energy Gap by Four Probe Methode
	Measurement of Energy Gap by Four Probe Methode
	Measurement of Energy Gap by Four Probe Methode
4	To study double slit interference by He-Ne LASER
	To study double slit interference by He-Ne LASER
	To study double slit interference by He-Ne LASER
5	To study double slit interference by He-Ne LASER
	To study double slit interference by He-Ne LASER
	To study double slit interference by He-Ne LASER

Month : November

Week	Topic
1	To Study Light Emitting Diode
	To Study Light Emitting Diode
	To Study Light Emitting Diode
2	To Study Light Emitting Diode
	To Study Light Emitting Diode
	To Study Light Emitting Diode
3	To Print Odd and Even Numbers
	To Print Odd and Even Numbers

	To Print Odd and Even Numbers
4	To Print Odd and Even Numbers
	To Print Odd and Even Numbers
	To Print Odd and Even Numbers
5	**Revisions**
	Revisions
	Revisions

Lesson Plan (Even Semester) 2023-24

Name: AJEET KUMAR
Department: Physics
Class and Section: B.Sc. III SEM VI
Subject: PHYSICS PRACTICAL

Week	Date	Topic
1	01-Feb-24	Transistor Characteristic: in CB Configuration
	02-Feb-24	Transistor Characteristic: in CB Configuration
	03-Feb-24	Transistor Characteristic: in CB Configuration
2	08-Feb-24	Transistor Characteristic: in CB Configuration
	09-Feb-24	Transistor Characteristic: in CB Configuration
	10-Feb-24	Transistor Characteristic: in CB Configuration
3	15-Feb-24	Transistor Characteristic: in CE Configuration
	16-Feb-24	Transistor Characteristic: in CE Configuration
	17-Feb-24	Transistor Characteristic: in CE Configuration
4	22-Feb-24	Transistor Characteristic: in CE Configuration
	23-Feb-24	Transistor Characteristic: in CE Configuration
	24-Feb-24	Transistor Characteristic: in CE Configuration
5	29-Feb-24	**Study of Hartley Oscillator**
	01-Mar-24	**Study of Hartley Oscillator**
	02-Mar-24	**Study of Hartley Oscillator**
6	07-Mar-24	**Study of Hartley Oscillator**
	08-Mar-24	**Holiday**
	09-Mar-24	**Study of Hartley Oscillator**
7	14-Mar-24	**Resolving Power of Prism**
	15-Mar-24	**Study of Hartley Oscillator**
	16-Mar-24	**Resolving Power of Prism**
8	21-Mar-24	**Resolving Power of Prism**
	22-Mar-24	**Resolving Power of Prism**
	23-Mar-24	**Resolving Power of Prism**
9	28-Mar-24	**Resolving Power of Grating**
	29-Mar-24	**Resolving Power of Prism**
	30-Mar-24	**Resolving Power of Grating**
10	04-Apr-24	**Resolving Power of Grating**
	05-Apr-24	**Resolving Power of Grating**
	06-Apr-24	**Resolving Power of Grating**
11	11-Apr-24	**Holiday**

	12-Apr-24	**To study OPAMPS**
	13-Apr-24	**To study OPAMPS**
12	18-Apr-24	**To study OPAMPS**
	19-Apr-24	**To study OPAMPS**
	20-Apr-24	**To study OPAMPS**
13	25-Apr-24	**To study OPAMPS**
	26-Apr-24	**To Study G.M.Counter**
	27-Apr-24	**To Study G.M.Counter**
14	02-May-24	**To Study G.M.Counter**
	03-May-24	**To Study G.M.Counter**
	04-May-24	**To Study G.M.Counter**
15	09-May-24	**To Study G.M.Counter**
	10-May-24	**Holiday**
	11-May-24	**To study OPAMPS**
16	16-May-24	**To study OPAMPS**
	17-May-24	**To study OPAMPS**
	18-May-24	**To study OPAMPS**
17	23-May-24	**Revisions**
	24-May-24	**Revisions**
	25-May-24	**Revisions**
18	30-May-24	**Revisions**
	31-May-24	**Revision/Tests/Assigments**