Lesson Plan For B.Sc. 2th semester (Physics) Session-2023-2024 (Jan. to April 2024)		
January 2024	First to Fourth Week	Explanations of Semiconductor Diodes and its Characteristics Explanations of Photo conduction in Semiconductors, Photo Diodes and Solar Cell Diodes as Rectifier and Zener Diode as Voltage Regulator, Types of Filter circuit Explanations & Simple Regulated Power Supply
February 2024	First & Second week	Explanations of Transistor and its Characteristics, Transistor Amplifiers & Oscillators
	Third & Fourth Week	Explanations of growth and decay of current in a circuit with LCR & Explanations of LCR Circuit, Capacitance, Inductance & Resistance series and parallel resonant Circuit
March 2024	First & Second week	Assumptions of Kinetic Theory of gases, Law of Equipartition of Energy and its Applications with experimental verification, Brownian Motion and Van der Waal's equation
	Third & Fourth Week	Elasticity and various relation of elastic constants, Bending of beam, Cantilevers Experiments & Twisting of Cylinder
April 2024	First & Second week	Theory of Relativity, Galilean Transformations & Lorentz Transformations Length Contraction, Time Dilation, Velocity Addition Theorem, Variation of Mass with Velocity and Mass Energy Equivalence
	Third & Fourth Week	Revision and Test

1. Pushpa Kumari Dr. Pushpa Kumari

2. (MANOJ KUMAR)

Lesson Plan For B.Sc 4th Semester (Physics)
Session - 2023-2024 (Jan. to April 2024)

January 2024	First to Fourth week	**Unit 1:** Statistical Physics I
February 2024	First to Second week	**Unit 2:** Statistical Physics II
	Third & Fourth week	**Unit 1:** Interference by division of Amplitude and Fresnel's Diffraction
March 2024	First & Second week	**Unit 2:** Fraunhoffer Diffraction
	Third & Fourth week	**Unit 3:** Statistical Physics III
April 2024	First & Second week	**Unit 3:** Polarization
	Third & Fourth week	Revision and Test

Faculty

1. Pushpa Kumari

Dr. Pushpa Kumari
Assistant Prof. Physics

2. Manoj (MANOJ KUMAR)

Lesson Plan For B.Sc 6th Semester (Physics) Session - 2023-2024 (January to April 2024)		
January 2024	First & Second week	Unit 1: Nuclear Structure and Properties of Nuclei
	Third week & Fourth week	Unit 2: Interaction of Nuclear Physics
February 2024	First & Second week	Unit 1: Spectroscopy of Atoms and metals, Vector Atom Model
	Third & Fourth week	Unit 2: Zeeman Effect, Paschen-back Effect and Stark Effect and Molecular Physics
March 2024	First & Second week	Unit 3: Main Features of laser and application
April 2024	First & Second week	Unit 3: Nuclear Reactions and nuclear Reactors, Nuclear Accelerators and Nuclear Radiation Detectors
	Third & Fourth week	Revision and Test

1. Pushpa Kumari
Dr. Pushpa Kumari
Assistant Prof. Physics.

2. (MANOJ KUMAR)