

BALJNATH CHAUDHARY GOVT. COLLEGE FOR WOMEN, NANGAL CHAUDHARY

Lesson Plan

Name of the Assistant/ Associate Professor: SUDESH Sem. 2nd

Class and Section: B.Sc. Ist (NM) Subject: Physics

Month	Topics
21 st March to 31 st March	Properties of matter (Elasticity) Elastic constants and their relations, Poisson's ratio, Torsion of cylinder, Bending of beams, Cantilevers, Centrally loaded beam.
1 st April to 30 th April	Kinetic theory of gases - Assumptions, Maxwell distribution of speed and velocities, Mean free path, transport of energy & momentum, Brownian motion, Vanderwaals equation, Text
1 st May to 31 st May	Theory of Relativity (Inertial frames, Newtonian relativity principle, Michelson-Morley exp.) Electromagnetic Induction Alternating currents, Text
1 st June to 30 th June	Semiconductor Diodes, P-N junction half wave and Full wave rectifier. Transistors (C-B, C-E, C-C mode) C.R.O (Principle, Construction and Working)
1 st July to 11 th July	Assignment Amplifiers and Oscillators. Common-base and Common-emitter amplifiers, Classification of Amplifiers. Principle of oscillation, Classification of oscillator, - -

Teacher's Name SUDESH

Teacher's Signature Sudesh

BAIJNATH CHAUDHARY GOVT. COLLEGE FOR WOMEN, NANGAL CHAUDHARY

Lesson Plan

Name of the Assistant/ Associate Professor: SUDESH Sem. 4th

Class and Section: B.Sc. 2nd (NM) Subject: Physics

Month	Topics
21 st March to 31 st March	Statistical Physics-I (Basic Ideas of Statistical physics) Text
1 st April to 30 th April	Statistical Physics-II (Entropy and Boltzmann statistics, Bose-Einstein statistical) Fermi-Dirac Statistics Electron gas in metals, Zero point energy
1 st May to 31 st May	Interference by Division of Amplitude and Fresnel's Diffraction. Text
1 st June to 30 th June	Fraunhofer Diffraction. Polarization of light waves and Double refraction. Assignment
1 st July to 11 th July	Polarimetry- optical activity, Fresnel's theory of rotation, Plane polarised light, Circularly polarized light, Elliptically polarised light.

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BAIJNATH CHAUDHARY GOVT. COLLEGE FOR WOMEN, NANGAL CHAUDHARY

Lesson Plan

Name of the Assistant/ Associate Professor:SUDESH..... Sem.....6th...

Class and Section: B.Sc. IIIrd (NM) Subject:Physics.....

Month	Topics
21 st March to 31 st March	Vector atom model and Doublet fine structure of Alkali metals. Vector atom model for two valence-electrons and Different coupling schemes.
1 st April to 30 th April	Zeeman Effect, Paschen-Back effect and Stark effect. Molecular Physics Text
1 st May to 31 st May	Main features of a Laser, Laser Pumping, He-Ne Laser, Ruby Laser. Applications of Laser in the field of medicine and Industry Text
1 st June to 30 th June	Nuclear structure and Properties of Nuclei. Interaction of Nuclear Radiation.
1 st July to 11 th July	Nuclear Reactions and Nuclear Reactors. Linear accelerator, cyclotron and Betatron accelerators. Assignment

Teacher's Name SUDESH

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