Lesson Plan of ..PHYSICS CDARSH MODEL DEGREE COLLEGE, GOHANA

Name of the Assistant /Associate Professor:-..Ms. Baldev

Class and Semester..B.Sc IInd

Subject Name :-..PHYSICS

Week 1, Day 1, Date: 01/01/2018 Chapter 1 - Properties of Matter (Elasticity) Elasticity, HOOK's Law
Week 1, Day 2, Date: 02/01/2018 Elastic Constants and their relations, Poison's Ratio
Week 1, Day 3, Date: 03/01/2018 Torsion of cylinder, twisting couple
Week 1, Day 4, Date: 04/01/2018 Bending of Beam, centrally loaded Beam
Week 1, Day 5, Date: 05/01/2018 Student Queries
Week 1, Day 6, Date: 06/01/2018 Cantilevers and Revision
Week 2, Day 1, Date: 08/01/2018 Kinetic Theory of Gases - Its assumptions, Laws of equipartition of energy
Week 2, Day 2, Date: 09/01/2018 Applications for specific heat of gases
Week 2, Day 3, Date: 10/01/2018 Maxewell's distribution of speed and velocities.
Week 2, Day 4, Date: 11/01/2018 Experimental verification of Maxwell's speed Law
Week 2, Day 5, Date: 12/01/2018 Test
Week 2, Day 6, Date: 13/01/2018 Most Probable speed, average and r.m.s speed.

Lesson Plan of .....

Name of the Assistant /Associate Professor:-.....

Class and Semester.....

Subject Name :-.....

Week 3, Day 1, Date: 15/01/2018 Mean free path
Week 3, Day 2, Date: 16/01/2018 Derivation of Maxwell's speed distribution Law.
Week 3, Day 3, Date: 17/01/2018 Transport of Energy and Momentum
Week 3, Day 4, Date: 18/01/2018 Student Queries
Week 3, Day 5, Date: 19/01/2018 Diffusion of Gases
Week 3, Day 6, Date: 20/01/2018 Brownian Motion
Week 4, Day 1, Date: 22/01/2018 Holiday (Basant Panchmi)
Week 4, Day 2, Date: 23/01/2018 Real gases
Week 4, Day 3, Date: 24/01/2018 Holiday (Sir Chotu Ram Jayanti)
Week 4, Day 4, Date: 25/01/2018 vander Wal's equation
Week 4, Day 5, Date: 26/01/2018 Holiday (Republic day)
Week 4, Day 6, Date: 27/01/2018 Theory of Relativity - Introduction & Basic Ideas

Lesson Plan of .....

Name of the Assistant /Associate Professor:-.....

Class and Semester.....

Subject Name :-.....

Week 5 , Day 1, Date: 29/01/2018 Reference systems
Week 5 , Day 2, Date: 30/01/2018 Inertial frames
Week 5 , Day 3, Date: 31/01/2018 Gallilean Invariance
Week 5 , Day 4, Date: 01/02/2018 Conservation Laws
Week 5 , Day 5, Date: 02/02/2018 Test.
Week 5 , Day 6, Date: 03/02/2018 ~~Nesto~~ General Discussion & Assignment on Reference systems.
Week 6 , Day 1, Date: 05/02/2018 Newtonian Relativity Principle
Week 6 , Day 2, Date: 06/02/2018 Michelson — Morley experiment
Week 6 , Day 3, Date: 07/02/2018 Lorentz transformations length contraction
Week 6 , Day 4, Date: 08/02/2018 Time dilation & student Queries
Week 6 , Day 5, Date: 09/02/2018 velocity addition Theorem.
Week 6 , Day 6, Date: 10/02/2018 Test of Theory of Relativity

Lesson Plan of .....

Name of the Assistant /Associate Professor:-.....

Class and Semester.....

Subject Name :-.....

Week 7 , Day 1, Date: 12/02/2018 Variation of mass with velocity
Week 7 , Day 2, Date: 13/02/2018 Mass energy equivalence
Week 7 , Day 3, Date: 14/02/2018 Electromagnetic Induction - Introduction & General discussion
Week 7 , Day 4, Date: 15/02/2018 Growth and decay of current with Capacitance
Week 7 , Day 5, Date: 16/02/2018 — do —
Week 7 , Day 6, Date: 17/02/2018 — do —
Week 8 , Day 1, Date: 19/02/2018 Resistance
Week 8 , Day 2, Date: 20/02/2018 Resistance and Inductance
Week 8 , Day 3, Date: 21/02/2018 Capacitance and inductance
Week 8 , Day 4, Date: 22/02/2018 do
Week 8 , Day 5, Date: 23/02/2018 do
Week 8 , Day 6, Date: 24/02/2018 Test of Electromagnetic Induction

Lesson Plan of .....

Name of the Assistant /Associate Professor:-.....

Class and Semester.....

Subject Name :-.....

Week 9 , Day 1, Date:	26/02/2018
	Ac circuit Analysis using Capacitance & resistance
Week 9 , Day 2, Date:	27/02/2018
	Ac circuit Analysis using Capacitance and inductance
Week 9 , Day 3, Date:	28/02/2018
	Vacations
Week 9 , Day 4, Date:	01/03/2018
	Vacations
Week 9 , Day 5, Date:	02/03/2018
	Vacations
Week 9 , Day 6, Date:	03/03/2018
	Vacations
Week 10 , Day 1, Date:	05/03/2018
	Using Resistance and Inductance
Week 10 , Day 2, Date:	06/03/2018
	Capacitance, Inductance and resistance series Resonanant circuit
Week 10 , Day 3, Date:	07/03/2018
	C, L, R Parallel Resonant circuit
Week 10 , Day 4, Date:	08/03/2018
	Quality factor (Sharpness of resonance)
Week 10 , Day 5, Date:	09/03/2018
	Student Queries
Week 10 , Day 6, Date:	10/03/2018
	Semiconductor diodes - Introduction

Lesson Plan of .....

Name of the Assistant /Associate Professor:-.....

Class and Semester.....

Subject Name :-.....

Week 11 , Day 1, Date: 12/03/2018 Energy bands in solids
Week 11 , Day 2, Date: 13/03/2018 Intrinsic & Extrinsic semiconductors, Hall Effect
Week 11 , Day 3, Date: 14/03/2018 PN Junction diodes and their VI characteristics
Week 11 , Day 4, Date: 15/03/2018 Zener and avalanche breakdown
Week 11 , Day 5, Date: 16/03/2018 Resistance of a diode, Light Emitting diode
Week 11 , Day 6, Date: 17/03/2018 Photo Conduction in semiconductors , Photodiode
Week 12 , Day 1, Date: 19/03/2018 Solar Cell
Week 12 , Day 2, Date: 20/03/2018 Diode Rectifiers - Introduction
Week 12, Day 3, Date: 21/03/2018 Half and Full wave Rectifiers
Week 12 , Day 4, Date: 22/03/2018 Types of filter circuits - (L and π with theory)
Week 12 , Day 5, Date: 23/03/2018 Holiday (Shaheed diwas)
Week 12, Day 6, Date: 24/03/2018 Student Queries & General Discussion.

Lesson Plan of .....

Name of the Assistant /Associate Professor:-.....

Class and Semester.....

Subject Name :-.....

Week 13, Day 1, Date: 26/03/2018 Zener diode as voltage regulater
Week 13, Day 2, Date: 27/03/2018 Simple regulated Power supply
Week 13, Day 3, Date: 28/03/2018 Junction Transistors, Bipolar transistors.
Week 13, Day 4, Date: 29/03/2018 Working of NPN transistors
Week 13, Day 5, Date: 30/03/2018 Working of PNP transistor
Week 13, Day 6, Date: 31/03/2018 Common - Base Transistor Configuration
Week 14, Day 1, Date: 02/04/2018 Common - Emitter and Common - Collector
Week 14, Day 2, Date: 03/04/2018 Transistor characteristics curve)
Week 14, Day 3, Date: 04/04/2018 Advantage of Common Base Configuration
Week 14, Day 4, Date: 05/04/2018 CRO (Complete)
Week 14, Day 5, Date: 06/04/2018 Revision class.
Week 14, Day 6, Date: 07/04/2018 Test of Semiconductor diodes.

Lesson Plan of .....

Name of the Assistant /Associate Professor:-.....

Class and Semester.....

Subject Name :-.....

Week 15 , Day 1, Date: 09/04/2018 Transistor Amplifiers - Introduction & Basic Idea
Week 15 , Day 2, Date: 10/04/2018 Transistor Biasing & its methods
Week 15, Day 3, Date: 11/04/2018 DC load Line & Stabilization
Week 15 , Day 4, Date: 12/04/2018 CB & CE transistor Biasing
Week 15 , Day 5, Date: 13/04/2018 Holiday (Vaishakhi)
Week 15 , Day 6, Date: 14/04/2018 Holiday (B.R Ambedkar Jayanti)
Week 16 , Day 1, Date: 16/04/2018 Transistor as An Amplifier
Week 16 , Day 2, Date: 17/04/2018 Classification of Amplifiers,
Week 16 , Day 3, Date: 18/04/2018 RC Coupled Amplifiers, Feed back in amplifiers
Week 16 , Day 4, Date: 19/04/2018 Advantage of negative feedback Emitter follower
Week 16 , Day 5, Date: 20/04/2018 Revision Class.
Week 16 , Day 6, Date: 21/04/2018 Test & Assignment on Transistor Amplifier

Lesson Plan of .....

Name of the Assistant /Associate Professor:-.....

Class and Semester.....

Subject Name :-.....

Week 17, Day 1, Date: 23/04/2018 Oscillators, Principle of oscillation, Condition for self sustained oscillation
Week 17, Day 2, Date: 24/04/2018 Barkhausen criterion for oscillations
Week 17, Day 3, Date: 25/04/2018 Tuned Collector Common Emitter oscillator
Week 17, Day 4, Date: 26/04/2018 Hartley oscillator
Week 17, Day 5, Date: 27/04/2018 Colpitt's oscillator.
Week 17, Day 6, Date: 28/04/2018 Student Queries.
Week 18, Day 1, Date:
Week 18, Day 2, Date:
Week 18, Day 3, Date:
Week 18, Day 4, Date:
Week 18, Day 5, Date:
Week 18, Day 6, Date: