

Lesson Plan 1

Name of The Assistant / Associate Professor... MANOJ KUMAR
 Class and Section... B.Sc. 1st Year Paper -2
 Subject... Physics

Week 1	Date	Topics
1	1-1-18 Mon	University Exam
	2-1-18 Tue	Unit-1 Basic Concept of Conductors , semiconductors and Insulators Energy Bands in Solids
	3-1-18 Wed	Types of Semiconductors Intrinsic and Extrinsic
2	8-1-18 Mon	Carrier mobility in semiconductors
	9-1-18 Tue	Resistivity of semiconductors
	10-1-18 Wed	Hall Effect
3	15-1-18	PN junction Diode and its Characteristics
	16-1-18	Zener and Avalanche Breakdown
	17-1-18	Zener diode and Voltage regulator
4	22-1-18	Basant Panchami
	23-1-18	LED and solar cells , Photo diode
	24-1-18	Holiday- Sir Chhotu Ram Jyanti
5	29-1-18	Photovoltaic cell, Pn junction as half wave rectifier
	30-1-18	PN junction diode as full wave rectifier
	31-1-18	Holiday-
2	5-2-18	L- section and pie filter, RC filter
	6-2-18	Numerical Problems
	7-2-18	Class Test
3	12-2-18	Unit -2 Junction Transistors PNP and NPN
	13-2-18	Holiday – Mahashivratri
	14-2-18	Working of NPN and PNP transistor
4	19-2-18	Configuration of transistors
	20-2-18	CB characteristics
	21-2-18	CE characteristics
5	26-2-18	CC characteristics
	27-2-18	Constants of transistors and their relation
	28-2-18	Advantage and disadvantage of CE transistor
2	5-3-18	DC load line
	6-3-18	Transistor biasing
	7-3-18	methods of biasing
3	12-3-18	methods of biasing and Stabilization
	13-3-18	Unit-3 Introduction to Amplifiers and Classifications
	14-3-18	CB amplifier
4	19-3-18	CE amplifier
	20-3-18	Coupling of amplifier
	21-3-18	Various methods of Coupling
5	26-3-18	RC coupled amplifier
	27-3-18	Concept of Bandwidth in coupled amplifier
	28-3-18	Feedback in amplifiers and its types
1	2-4-18	Advantage of Negative feed back
	3-4-18	Reduction of Noise, distortion in output
	4-4-18	Increase in bandwidth
2	9-4-18 Mon	Stability in gain

Lesson Plan 2

Name of The Assistant / Associate Professor... MANOJ KUMAR
 Class and Section... B.sc. 1st year Paper -1
 Subject... Physics

Week 1	Date	Topics
1	4-1-18 Thru	Unit-1 Rotation of rigid body, Moment of inertia ,Torque and angular momentum
	5-1-18 Fri	Kinetic energy of rotation
	6-1-18 Sat	Theorem of perpendicular and parallel axes
2	11-1-18	M.O.I of solid sphere
	12-1-18	M.O.I of hollow sphere and spherical shell
	13-1-18	M.O.I of solid cylinder
3	18-1-18	M.O.I of hollow cylinder and solid bar of rectangular cross section
	19-1-18	Fly-wheel
	20-1-18	M.O.I of irregular body
4	25-1-18	Acc. Of a body rolling down on an inclined plane
	26-1-18	Holiday-Republic day
	27-1-18	Discuss num problem
1	1-2-18	Internal Assignment
	2-2-18	Class Test
	3-2-18	Unit-2 Elasticity, stress and strain
2	8-2-18 Thru	Hook's law, Elastic constants
	9-2-18	Relation b/w elastic constants, Poisson's ratio
	10-2-18	Holiday – Maharishi Daya Nand Jyanti
3	15-2-18	Torsion of a cylinder and twisting couple
	16-2-18	Determination of coefficient of modulus of rigidity for material of wire
	17-2-18	Bending of beam
4	22-2-18	Cantilever and centrally loaded beam
	23-2-18	Determination of young's modulus
	24-2-18	Searle's method
1	1-3	Holiday- Guru Ravidas Birthday
	2-3-18	Holiday- Holy
	3-3-18	Discuss num problem
2	8-3-18	Class test
	9-3-18	Unit-3 assumption of Kinetic theory of gases
	10-3-18	Pressure of an ideal gas
3	15-3-18	Kinetic interpretation of temp
	16-3-18	Ideal gas equation
	17-3-18	Degree of freedom
4	22-3-18	law of equipartition law of energy
	23-3-18	Holiday-Shaheedi Divas of Bhagat Singh
	24-3-18	Application for specific heat of gases
5	29-3-18	Holiday- Mahavir Jyanti
	30-3-18	Real gases
	31-3-18	Vander wall's equation
1	5-4-18	Brownian's motion
	6-4-18	Discuss The Numerical problems
	7-4-18	Class Test
2	12-4-18	Unit 4 maxwell's distribution of speed
	13-4-18	Maxwell's distribution of velocities

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	10-4-18	Input and output impedance
	11-4-18	Emitter follower
3	16-4-18 Mon	Distortion in Amplifiers
	17-4-18	Unit-4 Introduction to oscillators and its principle
	18-4-18	Holiday- Parshuram Jyanti
4	23-4-18 Mon	Classification of oscillators and its conditions for sustained oscillations
	24-4-18	Tuned collector CE oscillator and Hartley oscillators
	25-4-18	Introduction to CRO and its working

	14-4-18	Holiday-Dr. Ambedkar Jyanti
3	19-4-18	Exp. Verification of Maxwell's law of speed distribution
	20-4-18	Most probable speed, avg. speed, r.m.s speed
	21-4-18	Mean free path
4	26-4-18 Thru	Transport of energy and momentum
	27-4-18	Diffusion of gases
	28-4-18	Most probable speed, avg. speed, r.m.s speed,

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