

# LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	30/9/13	Force on charged particles in electric field, Constant Electric field, Potential	I	BB Black board		
5	03/10/13	Relation Ship b/w Field Intensity and potential	I	Black Board		
4	05/10/13	Two Dimensional motion.	I	do		
1	07/10/13	Electrostatic deflection in CRT	I	do		
4	09/10/13	CRO	I	do		
5	10/10/13	Force in magnetic field	I	do		
5	17/10/13	Motion in magnetic field, Magnetic deflection in CRT	I	do		
4	19/10/13	Magnetic focusing, Parallel electric and magnetic fields	I	do		
7	21/10/13	Perpendicular electric and magnetic fields	I	do		
4	23/10/13	Insulators, Semiconductors and metals Classification using EB diagrams	II	do		
5	24/10/13	Valability and Conductivity	II	do		
4	26/10/13	Electrons and holes in Intrinsic Semiconductors	II	do		
1	28/10/13	Extrinsic semiconductor (P-type and N-type)	II	do		
4	30/10/13	Hall effect, Generation and recombination of charges	II	do		
5	31/10/13	Diffusion, Continuity Equation, Injected minority carriers	II	do		
4	02/11/13	Law of Junction, Fermi Dirac function	II	do		
1	04/11/13	Fermi level in Intrinsic and Extrinsic semiconductor	II	do		

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4	6/11/13	Open Circuited P-N junction, Forward & Reverse bias	III	Black board		
5	7/11/13	Current Components in P-N diode, Diode Equation	III	do		
4, 1	9/11/13 11/11/13	V-I characteristics, Temperature dependence of V-I characteristics	III	do		
4	13/11/13	Step graded junction, diffusion Capacitance	III	do		
4	16/11/13	diode resistance	III	do		
1	18/11/13	Energy band diagram of P-N diode.	III	do		
4, 5	20/11/13 21/11/13	Avalanche and Zener breakdown, Zener characteristics	III	do		
4	23/11/13	Tunnel diode and characteristics	III	do		
1	25/11/13	With help of energy band diagrams.	III	do		
4	27/11/13	Variactor Diode, LED	III	do		
5	28/11/13	PI-N Diode, Photo diode	III	do		
4	30/11/13	Schott Key Diode, Trouble shooting and specifications	III	do		
1	02/12/13		III	do		
4	4/12/13	Half wave rectifier ripple factor	III	do		
5	5/12/13	full wave rectifier (with and without transformer)	III	do		
4	7/12/13		III	do		
1	9/12/13	Harmonic Components in a rectifier circuit	III	do		



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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
4,5	11/12/13 12/12/13	Junction transistor, transistor current components	IV	Black board		
4	14/12/13	Transistor as an amplifier	IV	do		
1,4	16/12/13 18/12/13	Characteristics of transistor in CBECE configurations	IV	do		
5	19/12/13	Analytical expressions for transistor characteristics	IV	do		
4	21/12/13	Punch through/Reach through, Photo transistor	IV	do		
1	23/12/13	Trouble shooting, transistor specifications	IV	do		
5,4	26/12/13 28/12/13	JFET, Comparison between BJT & JFET,	V	do		
1,5	30/12/13 2/01/14	JFET characteristics and parameters,	V	do		
4	4/01/14	MOSFET, MOSFET characteristics	V	do		
1,4	6/1/14 8/1/14	(Enhancement and depletion mode)	V	do		
5	9/1/14	Lateral double diffused MOSFET	V	do		
4	16/1/14	V-Groove MOSFET, Dual Gate MOSFET.	V	do		
1	20/1/14	Trouble shooting, Specifications	V	do		
4	22/1/14	Introduction to SCR and UJT	V	do		
5,4	23/1/14 25/1/14	Characteristics of SCR & UJT	V	do		