

# LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	8.10.14	Introduction to Electronic devices		Black Board and White Chalk		
2	9.10	Fundamentals related to Electric field	1	"		
3	13.10	Relationship b/w E and V		"		
4	14.10	Two dimensional Motion Motion in Magnetic field		"		
5	15.10	CRT		"		
6	16.10	CRO and its applications		"		
7	20.10	Electrostatic deflection		"		
8	21.10	Magnetic deflection		"		
9	22.10	Comparison		"		
10	23.10	Parallel and Perpendicular Electric and Magnetic fields		"		
11	27.10	Revision		"		
12	28.10	classification of materials w.r.t to energy band structure	2	"		
13	29.10	Fundamentals of Semiconductors		"		
14	30.10	Expt on Si Semiconductors Mobility and Conductivity		"		
15	3.11	Hall effect Generation and Recombination of charges		"		
16	5.11	Diffusion Continuity eqn		"		
17	6.11	Injected minority carriers		"		
18	10.11	Law of Junction		"		
19	11.11	Fermi-Dirac function		"		
20	12.11	Fermi level in intrinsic and extrinsic Semiconductors		"		

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21	13.11	Revision		Black Board Whiteboard		
22	14.11	open circuitd PN junction	3	"		
23	18.11	forward and Reverse Bias		"		
24	20.11	Current components in PN diode, Diode eqn		"		
25	24.11	V-I char. and Temp. dependence		"		
26	25.11	Step graded jn., Diffusion capacitance		"		
27	27.11	Diode resistance Energy band diagram		"		
28	1.12	Special diodes and their char.		"		
29	2.12	"		"		
30	3.12	HWR and Parameter Evaluation		"		
31	6.12	FWR and Parameter Evaluation		"		
32	8.12	Harmonic Components Revision		"		
33	9.12	Junction Transistor	4	"		
34	10.12	Current components Transistor as an amplifier		"		
35	11.12	CB char.		"		
36	15.12	CE char. with Analytical expressions		"		
37	16.12	Pusher Through Push Photo transistor		"		
38	17.12	Specifications, & Trouble shooting		"		
39	18.12	Revision	"	"		
40	22.12	JFET Comparison b/w BJT & JFET	5	"		



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41	24.12	JFET char & Parameters		Blaise Brand & Whitechall		
42	25.12	MOSFET Construction		"		
43	29.12	Different modes & char		"		
44	30.12	"		"		
45	31.12	LMOSFET VMOSFET		"		
46	1.1.15	Introduction to SCR & Char		"		
47	5.1.	Introduction to VJT & char		"		
48	6.1	Specs & Troubleshooting		"		
49	7.1	Revision		"		
50	12.1	Revision		"		
51	13.1	How do you Answer answers for given Q's in end exams		"		
52	14.1	Revision		"		
53	15.1.	Revision		"		