

LESSON PLAN					
Period (tentative)	Date	Topic	Unit No	Teaching Methodology	Remarks
1	29/9/13	Introduction of I	CE		
		Electronic Spectra	"		
2	01/10/13	Electron dynamics	"		
		Force on charged particles in Electric field	"		
3	02/10/13	Electric field potential	"		
		Relation b/w E & V	"		
4	04/10/13	3-D motion of electron in uniform electric field	"		
5	05/10/13	Electrostatic deflection in CRT	"		
6	08/10/13	Cathode ray tube	"		
7	09/10/13	Force in magnetic field	"		
8	11/10/13	Motion in magnetic field	"		
9	18/10/13	Magnetic deflection	"		
10	19/10/13	Magnetic focusing	"		
11	22/10/13	Parallel & perpendicular	"		
12	24/10/13	Electric & Magnetic field	"		
13	25/10/13	field	"		
14	26/10/13	Motion in E & B field	"		

LESSON PLAN 31					
Period (tentative)	Date	Topic	Unit No	Teaching Methodology	Remarks
15	29/10/13	Metals classification	II	CE	
		Insulator, Conductor	"		
		Semi Conductor	"		
16	30/10/13	Energy band diagram	"		
17	01/11/13	Mobility & Conductivity	"		
18	02/11/13	Intrinsic & Extrinsic	"		
19	05/11/13	Semi Conductor (P & N type)	"		
20	06/11/13	Hall effect	"		
21	15/11/13	Diffusion, Continuity	"		
22	16/11/13	eqn, Law of Junction	"		
23	19/11/13	Fermi Direct Junction	"		
24	20/11/13	Fermi level in intrinsic	"		
25	22/11/13	Extrinsic & intrinsic Conduct	"		
26	23/11/13	Open Circuit & P.N.J. (I)	"		
27	24/11/13	Forward & Reverse bias	"		
28	27/11/13	Current Components	"		
29	29/11/13	V-I Characteristic	"		
30	30/11/13	Step graded Diode	"		
31	03/12/13	Diffusion Capacitance	"		
		Storage Capacitance	"		



## LESSON PLAN

Period (tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
32/04/14	Energy band diagram of PN diode		CR		
33/04/14	Special diodes				
	Avalanche & Zener				
	breakdown				
34/04/14	Zener characteristics				
	Tunnel diode				
35/04/14	Varactor diode				
	LED, PIN diode				
36/04/14	Photo diode				
	Schottky diode				
37/04/14	Half-wave rectifier				
38/04/14	Analysys				
39/04/14	Full wave rectifier				
40/04/14	Parameters, filters				
41/04/14	Inverting Transistor	IV			
42/04/14	Transistor current				
	Common emitter				
43/04/14	Transistor as an amplifier				

## LESSON PLAN

Period (tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
44/04/14	CB characteristics	V	CR		
	CE characteristics				
45/04/14	Analysys				
46/04/14	Push-Pull Amplifier				
	Photo transistor				
47/04/14	Trunkle structure				
	Transistor specification				
48/04/14	JFET	VI			
	Comparison n/b's				
	BJT & JFET				
49/04/14	JFET characteristics				
	Parameters				
50/04/14	MOSFET characteristics				
	Enhancement & Depletion mode MOSFET				
51/04/14	Lateral double				
	diffused MOSFET (LED MOSFET)				
52/04/14	V-groove MOSFET (CMOSFET)				
53/04/14	Dual gate MOSFET				
54/04/14	Trunkle structure				
	Specification				