

(A.Y. 2015-16) I - Sem. I - BCE - 'C' ED

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
1	30/7/15	Force on charged particle in electric field.	I	CR		
		Relation $V \propto E \cdot d$				
2	30/7	problems	I	"		
3	31/7	Two dimensional motion	I	"		
4	4/8	Electrostatic deflection on CRT	I	"		
5	5/8	CEO	I	"		
6	6/8	Force in magnetic field & motion in magnetic field	II	"		
7	7/8	Magnetic deflection on CRT	I	"		
8	11/8	Magnetic focusing, problems	I	"		
9	13/8	parallel & perpendicular to magnetic field	I	"		
10	13/8	problems	I	"		
11	14/8	Classification of materials	II	CR		
12	18/8	Energy band diagram, mobility & conductivity	II	"		
13	20/8	problems	II	"		
14	20/8	Extrinsic S.C	II	"		
15	24/8	Hall effect	II	"		
16	25/8	problems	II	"		
17	27/8	creation & recombination of charges, diffusion	II	"		
18	27/8	Continuity equation	II	"		

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19	28/8	Forward level in Zener & Zener diode	<u>II</u>	CR		
20	31/8	problems	<u>II</u>	"		
21	3/9	open ckted Pn Jn diode P-N & P-N	<u>III</u>	CR		
22	3/9	current capacitor Pn diode	<u>III</u>	"		
23	4/9	Diode capacitor	<u>III</u>	"		
24	8/9	V-Z characteristic C/V & R/V dependence	<u>III</u>	"		
25	10/9	step graded Jn Cd, diode resistance	<u>III</u>	"		
26	10/9	Energy band dia of Pn diode	<u>III</u>	"		
27	11/9	Avalanche & Zener break down mechanism	<u>III</u>	"		
28	15/9	Tunnel diode & ch Varactor diode	<u>III</u>	"		
29	18/9	LED, PIN diode	<u>III</u>	"		
30	22/9	Photodiode, Schottky diode	<u>III</u>	"		
31	24/9	Trouble shooting specific	<u>III</u>	"		
32	24/9	problems	<u>III</u>	"		
33	26/9	Junction transistor	<u>IV</u>	CR		
34	29/9	Transistor current capacitor	<u>IV</u>	ORP		
35	1/10	Transistor as an amplifier	<u>IV</u>	"		
36	1/10	CB configuration & its characteristic	<u>IV</u>	"		

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37	5/10	CE config & its char	<u>IV</u>	OHP		
38	8/10	Problems	<u>IV</u>	CR		
39	8/10	punch Through effect	<u>IV</u>	"		
40	9/10	photo transistor	<u>IV</u>	"		
41	12/10	Trouble shooting	<u>IV</u>	"		
		Transistor specification				
42	18/10	JFET, BJT Comparison	<u>V</u>	OHP		
43	15/10	JFET operation	<u>V</u>	"		
44	15/10	drain characteristics	<u>V</u>	"		
45	29/10	Transfer char	<u>V</u>	"		
46	29/10	MOSFET construction	<u>V</u>	"		
		and its operation				
47	30/10	E-MOSFET & its char	<u>V</u>	"		
48	3/11	D-MOSFET & its char	<u>V</u>	"		
49	8/11	LD MOSFET	<u>V</u>	"		
50	5/11	V MOSFET	<u>V</u>	"		
51	6/11	Output mosfet	<u>V</u>	"		
52/53	12/11	SCR & its char	<u>V</u>	"		
54	19/11	UJT & its char	<u>V</u>	"		
55	19/11	problems	<u>V</u>			90/02