ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT (AITAM) TEKKALI

(Approved by AICTE, Accredited by NBA Affiliated to JNTU, Kakinada)

STUDENT ATTENDENCE REGISTER

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Subject	: EDC
Class	: II – I sem, "B" Section
Year	: 2014–15

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LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Acti Upon Review
4	01-9-14	Review of semi conductor Physics	I	CR		
1	2-9-14	Classification of metals using band diagram	I	CR		
4	2-9-14	Mobility and conductivity	I	CR		
3	3-9-14	Types of semi conductors	I	CR		
4	8-9-14	Generation and Recombination of Carr	I	CR		
1	9-9-14	Drift and diffusion current, Law of junction	I	Projector		
4	9-9-14	Fermi level in semi conductor types	I	CR		
3	10-9-14	Junction diode characteristics	I	CR		
4	15-9-14	Open circuited PN junction, Forward and reverse bias	I	CR		
1	16-9-14	Current components in PN diode, Diode equation	I	CR		
4	16-9-14	Temperature depen dce of V-I Charac -teristics	I	CR		
3	17-9-14	Step Graded functio -n, Diffusion Capacitance	I	CR		
4	22-9-14	Diode resistance equation	I	CR		
1	23-9-14	Energy band diagram of PN diode	I	CR		
4	23-9-14	Introduction of special diodes	II	CR		
3	24-9-14	Avalanche and zener breakdown	II	CR		
4	29-9-14	Zener characteristics	II	CR		
1	30-9-14	Tunnel diode, Varactor diode	II	CR		
4	30-9-14	Introduction of Rectifiers & filters	II	CR		
3	1-10-14	Half wave rectifier operation	II	CR		

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LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
4	6-10-14	Full wave rectifire operation	IV	CR		
1	7-10-14	L-filter, C-filter Multiple L-π filters	IV	Projector		
4	7-10-14	comparision of various filters	IV	CR		
3	8-10-14	operation of regulator circuit	IV	CR		
4	13-10-14	Circuit operation of zener diode	IV	CR		
1	14-10-14	derivation of ripple factors	IV	CR		
4	14-10-14	Problems on Half wave rectifire	IV	CR		
3	15-10-14	Problems on full wave rectifire	II	CR		
4	20-10-14	Introduction to Transistors	III	CR		
1	21-10-14	Junction transistor transistor current components	III	CR		
4	21-10-14	Transistor as an amplifire, Transistor configurations	III	CR		
3	22-10-14	Punch through/ Reach through	III	CR		
4	27-10-14	Photo transistor, Typical junction voltages	III	CR		
1	28-10-14	JFET characteristics	III	CR		
4	28-10-14	Small signal model of JFET	III	CR		
3	29-10-14	MOSFET characteristics	III	CR		
4	3-11-14	symbols of MOSFET	III	CR		
3	5-11-14	Introduction SCR	III	CR		
4	10-11-14	Introduction to UJT	III	CR		
1	11-11-14	Problems on Transistors	III	CR		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
4	11-11-14	Transistor biasing & thermal stabilisation	IV	CR		
3	12-11-14	operating point, basic stability	IV	CR		
4	17-11-14	collector to base bias, self bias amplifiers	IV	CR		
1	18-11-14	Stabilisation against Parameters	IV	CR		
4	18-11-14	Stabilisation factors & bias compensation	IV	Problems		
3	19-11-14	Thermal runway & Thermal stability	IV	CR		
4	24-11-14	Small signal low frequency transistor models	IV	CR		
1	25-11-14	Two port devices & hybrid model	IV	CR		
4	25-11-14	Measurement of h-Parameters from Characteristics	IV	CR		
3	26-11-14	conversion formula of three transistor configurations	IV	CR		
4	1-12-14	comparision of amplifier configurations	IV	CR		
1	2-12-14	Introduction to feed back amplifiers, and oscillators	V	CR		
4	2-12-14	classification of oscillators, Feedback concept	V	CR		
3	3-12-14	Feed back characteristics, effect of feed back of i/p resistance	V	CR		
4	8-12-14	Voltage series & shunt current series and current feedbacks	V	CR		
1	9-12-14	Amplifiers with Discrete component circuits	V	CR		
4	9-12-14	conditions for oscillators	V	CR		
3	10-12-14	RC-Phase shift oscillator with Transistor	V	CR		
4	15-12-14	Hartley oscillator	V	CR		
1	16-12-14	RC Phase shift oscillators	V	CR		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
4	16-12-14	colpitts oscillators	V	Projectors		
3	17-12-14	wein bridge oscillators	V	CR		
4	22-12-14	Problems on feedback amplifiers	V	CR		
1	23-12-14	Problems on colpitts oscillators	V	CR		
4	23-12-14	Problems on wienbridge oscillators	V	CR		
3	24-12-14	Revision for unit no-I	V	CR		
4	29-12-14	Revision for unit number-II	V	CR		
1	30-12-14	Revision for unit number-III	V	CR		
4	30-12-14	Revison for unit number-IV	V	CR		
3	31-12-14	Revision for unit number-V	V	CR		
4	05-1-15	Junction diode characteristics	V	CR		
1	6-1-15	Tunnel diode & Varactor diode	V	CR		
4	6-1-15	Half wave rectifier	V	CR		
3	7-1-15	stabilisation Parameters	V	CR		

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