ADITYA INSTITUTE OF TECHNOLOGY AND MANAGEMENT (AITAM) TEKKALI

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

STUDENT ATTENDENCE REGISTER

Name	:	K. Bhaskara Rao
Subject	:	EM-I
Class	:	II ECE 'C'
Year	:	2014

Scanned by CamScanner

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
6	02-09-14	Electro mechanical energy conversion Energy balance equation	1	CR classroom		
1	03-09-14	singly excited system	1	〃		
4	03-09-14	force and torque in singly excited system	1	〃		
6	04-09-14	multi excited system	1	〃		
6	09-09-14	force and torque in multi excited system	1	〃		
1	10-09-14	DC Generator principle single loop generator	1	〃		
4	10-09-14	Construction al features, Emf equation	1	〃		
6	12-09-14	Action of commutator windgs, classification	1	〃		
6	15-09-14	winding diagrams.	1	〃		
1	16-09-14	problems.	1	〃		
4	17-09-14	Armature reaction	2	〃		
6	17-09-14	Cross magnetization and demagnitization.	2	〃		
6	19-09-14	problems.	2	〃		
6	23-09-14	method to improve armature reaction.	2	〃		
1	24-09-14	Commutation process.	2	〃		
4	24-09-14	reactance voltage, methods for improving commutation	2	〃		
6	26-09-14	problems	2	〃		
6	26-09-14	compensating wdg	2	〃		
6	30-09-14	Interpole wdg	2	〃		
1	01-10-14	problems.	2	〃		

Scanned by CamScanner

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
4	01-10-14	Chts of separately excited D.C Generators	3	C.R		
6	03-10-14	external and armature chts of separately excited DC Gen	3	"		
6	07-10-14	Chts of self-excited D.C Generators	3	"		
1	08-10-14	critical field resistance critical speed	3	"		
4	09-10-14	problems.	3	"		
6	10-10-14	chts of series and compound Generators	3	"		
6	14-10-14	Necessity of parallel operation, condition	3	"		
1	15-10-14	conditions for DC shunt and compound	3	"		
4	15-10-14	use equalizer bar and cross connection of field wdgs	3	"		
6	17-10-14	load sharing	3	"		
6	21-10-14	DC motor principle of Operation	4	"		
1	22-10-14	Back emf and torque equation	4	"		
4	22-10-14	Chts of DC motor	4	"		
6	24-10-14	Armature reaction and commutation.	4	"		
6	28-10-14	losses and efficiency	4	"		
12	29-10-14	Speed control of DC motors	4	"		
6	31-10-14 & 04-11-14	Armature voltage and field flux control methods	4	"		
1	05-11-14	ward leonard system	4	"		
4/6	05-11-14 & 07-11-14	principle of 3 point and 4 point starter	4	"		
6/4	11-11-14 & 12-11-14	Application of DC motors	4	"		

Scanned by CamScanner

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
6/6	10-12-14 & 14-12-14	Testing of DC machine	5	C.R		
4/4/6	15-12-14 & 17-12-14	Methods of testing.	5	"		
6/1/4	23-12-14 26-12-14	Brake test, Indirect testing	5	"		
6/6	27-12-14 02-12-14	Swinburne's method	5	"		
1,4	03-12-14	Regenerative(or) Hopkinson's method	5	"		
6/6	05-12-14 & 09-12-14	Field test for Series machine	5	"		
4,4, 6	10-12-14 & 12-12-14	Retardation test	5	"		
6	16-12-14	Separation of losses	5	"		
1/4, 6/	17-12-14 & 19-12-14	problems	5	"		
6/1/4	23-12-14 24-12-14	problems.	5	"		
6	26-12-14	Revision	All	"		
6	30-12-14	Revision	All	"		
4/4	31-12-14	Revision	All	"		

Scanned by CamScanner