LESSON PLAN OF ELECTRICAL MACHINE LAB-1

Name of the Faculty: Mr.R.Hansda

Discipline

" STABILITATE

: Electrical.

Semester

: 4th sem

Subject

: Pr1. ELECTRICAL MACHINE LAB-I

Duration

: 15 week Sessional -25

End Semester Examination: 50

VEEK		per week : 6 EXPERIMENT
	LECTURE	TOPIC mothod and multimeter
	1	1. Identification of different terminals of a DC machine by test lamp method and multimeter
		to the total and the secretarian medical and the secretari
	2	1. Identification of different terminals of a DC machine by test lamp method and marking
	-	method & to measure insulation resistance by megger
	1	2 Dimensional and material study of various parts of a DC machine.
2	2	the state of various parts of a DC machine.
2	2	2. Dimensional and material study of various parts of a DC material resistance from the 3. Plot OCC of a DC shunt generator at constant speed and determine critical resistance from the
3	1	
	-	graph. 3.Plot OCC of a DC shunt generator at constant speed and determine critical resistance from the
	2	
		graph. 4. Plot External Characteristics of a DC shunt generator at constant speed.
4	1	to the of a DC chunt generator at constant speed.
	2	the starter connect and run a DC shunt motor & measure the no local
5	1	the state of the s
	2	Study of Three point starter, connect and run a DC compound motor & measure no load current. Study of Four point starter, connect and run a DC compound motor & measure no load current.
6	1	6. Study of Four point starter, connect and run a DC compound motor & measure no load current. 6. Study of Four point starter, connect and run a DC compound motor & measure no load current.
	2	6. Study of Four point starter, connect and run a DC compound motor & armature voltage control
7	1	6. Study of Four point starter, connect and run a be composited. 7. Control the speed of a DC shunt motor by field flux control method & armature voltage control method.
	2	7. Control the speed of a DC shunt motor by field flux control method & armature voltage control method.
8	1	a De transita the armature current vs. speed characteristic of a DC motor
	2	a Determine the armature current vs. speed characteristic of a DC motor
9	1	O Determine the efficiency of a DC machine by brake test method.
	1	the afficiency of a DC machine by brake test method.
10	1	10. Identification of terminals, determination of voltage transformation ratio of a single phase
	2	transformer. 10. Identification of terminals, determination of voltage transformation ratio of a single phase
		transformer.
11	1	11. Perform OC Test and SC test of a single phase transformer.
	2	11 Desform OC Test and SC test of a single phase transformer.
12	1	12 Determine the voltage regulation of a single phase transformer at different loads.
	2	12 Determine the voltage regulation of a single phase transformer at different loads.
	2	13. Polarity test of single phase transformer and parallel operation of two single phase
13	1	transformers
	2	13. Polarity test of single phase transformer and parallel operation of two single phase transformers.
14	1	
	2	
	1	
15	1	
	1	