

LESSON PLAN FOR ELECTRICAL MACHINE LAB II [Pr. 1]

Discipline: Electrical Engineering	Semester: 5th	Name of the Teaching Faculty: CHANDRAMANI MAHAPATRA, (Lect.)
Subject: ELECTRICAL MACHINE LAB II	No. of days/ per week class allotted: 6	Semester From Date : 01/10/2021 to Date: 08/01/2022 No. of Weeks: 13
Week	3 Class/ Day	Practical Topics
1st	1st	Introduction
	2nd	1. Determination of regulation of alternator by direct loading.
2nd	1st	1. Determination of regulation of alternator by direct loading. [cont.]
	2nd	2. OC and SC test of alternator and determination of regulation by synchronous impedance method.
3rd	1st	2. OC and SC test of alternator and determination of regulation by synchronous impedance method. [cont.]
	2nd	3. Parallel operation of two alternators.
4th	1st	3.Parallel operation of two alternators. [cont.]
	2nd	4. Study and Practice of connection & Reverse the direction of rotation of Single Phase Induction motor.
5th	1st	4. Study and Practice of connection & Reverse the direction of rotation of Single Phase Induction motor. [cont.]
	2nd	5. Study and Practice of connection & Reverse the direction of rotation of Three Phase Induction motor.
6th	1st	5. Study and Practice of connection & Reverse the direction of rotation of Three Phase Induction motor.[CONT.]
	2nd	6. Connection of 3-phase energy meter to a 3-phase load.
7th	1st	6. Connection of 3-phase energy meter to a 3-phase load. [cont.]
	2nd	7. Study of Direct on Line starter connection and running a 3-phase Induction motor and measurement of starting current.
8th	1st	7. Study of Direct on Line starter connection and running a 3-phase Induction motor and measurement of starting current.[Cont.]
	2nd	8. Study of Auto transformer starter connection and running a 3-phase induction motor and measurement of starting current.
9th	1st	8. Study of Auto transformer starter connection and running a 3-phase induction motor and measurement of starting current. [cont.]
	2nd	9. Study of Star-Delta starter, connection and running a 3-phase Induction motor and measurement of starting current.
10th	1st	9. Study of Star-Delta starter, connection and running a 3-phase Induction motor and measurement of starting current. [cont.]
	2nd	10. Study of rotor resistance starter connection and running a 3-phase induction motor and measurement of starting current.
11th	1st	10. Study of rotor resistance starter connection and running a 3-phase induction motor and measurement of starting current.[CONT.]

	2nd	11. Measurement of power of a 3-phase Load using two wattmeter method and verification of the result using one 3-phase wattmeter.
12th	1st	11. Measurement of power of a 3-phase Load using two wattmeter method and verification of the result using one 3-phase wattmeter. [cont.]
	2nd	12. Study of IDMT type over current.
13th	1st	12. Study of IDMT type over current. [cont.]
	2nd	Doubt clearing class.