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

Discipline: Electrical Engineering	**Semester: 5th**	**Name of the Teaching Faculty: CHANDRAMANI MAHAPATRA, Lecturer** 31/07/2023
Subject: ELECTRICAL MACHINE LAB II	**No. of days/ per week class allotted: 6**	**Semester From Date : 01.08.2023 to Date: 30.11.2023** **No. of Weeks: 15**
Week	**3 Class/ Day**	**Practical Topics**
1st	1st	*Introduction*
	2nd	Study and Practice of connection & Reverse the direction of rotation of Single Phase Induction motor.
2nd	1st	Study and Practice of connection & Reverse the direction of rotation of Single Phase Induction motor. [cont.]
	2nd	Study and Practice of connection & Reverse the direction of rotation of Three Phase Induction motor.
3rd	1st	Study and Practice of connection & Reverse the direction of rotation of Three Phase Induction motor.[CONT.]
	2nd	*Doubt Clearing Class*
4th	1st	Study of Direct on Line and star delta starter connection and running a 3-phase Induction motor and measurement of starting current.
	2nd	Study of Direct on Line and star delta starter connection and running a 3-phase Induction motor and measurement of starting current.[Cont.]
5th	1st	Study of Auto transformer and rotor resistance starter connection and running a 3-phase induction motor and measurement of starting current.
	2nd	Study of Auto transformer and rotor resistance starter connection and running a 3-phase induction motor and measurement of starting current. [cont.]
6th	1st	Study of Auto transformer and rotor resistance starter connection and running a 3-phase induction motor and measurement of starting current. [cont.]
	2nd	*Doubt Clearing Class*
7th	1st	OC and SC test of alternator and determination of regulation by synchronous impedance method.

	2nd	OC and SC test of alternator and determination of regulation by synchronous impedance method. [cont.]
8th	1st	*Doubt Clearing Class*
	2nd	Determination of regulation of alternator by direct loading.
9th	1st	Determination of regulation of alternator by direct loading. [cont.]
	2nd	Parallel operation of two alternators and study load sharing.
10th	1st	Parallel operation of two alternators and study load sharing. [cont.]
	2nd	*Doubt Clearing Class*
11th	1st	Connection of 3-phase energy meter to a 3-phase load.
	2nd	Connection of 3-phase energy meter to a 3-phase load. [cont.]
12th	1st	Study of induction type over current / reverse power relay.
	2nd	Study of induction type over current / reverse power relay. [cont.]
13th	1st	*Doubt Clearing Class*
	2nd	Measurement of power of a 3-phase Load using two wattmeter method and verification of the result using one 3-phase wattmeter.
14th	1st	Measurement of power of a 3-phase Load using two wattmeter method and verification of the result using one 3-phase wattmeter. [cont.]
	2nd	Study of an O.C.B.
15th	1st	Study of an O.C.B.[cont.]
	2nd	*Doubt Clearing Class*

31/07/2023
Head of Department

31/07/23
Academic Co-ordinator

31/7/23
Principal