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

Discipline: Electrical Engineering	**Semester: 5th**	**Name of the Teaching Faculty: CHANDRAMANI MAHAPATRA**
Subject: ELECTRICAL MACHINE LAB II	**No. of days/ per week class allotted: 6**	**Semester From Date : 01/09/2020 to Date: 31/12/2020** **No. of Weeks: 15**
Week	**3 Class/ Day**	**Practical Topics**
1st	1st	Introduction
	2nd	1. Study and Practice of connection & Reverse the direction of rotation of Three Phase Induction motor.
2nd	1st	1. Study and Practice of connection & Reverse the direction of rotation of Three Phase Induction motor.[CONT.]
	2nd	2. Study of Direct on Line starter connection and running a 3-phase Induction motor and measurement of starting current.
3rd	1st	2. Study of Direct on Line starter connection and running a 3-phase Induction motor and measurement of starting current.[Cont.]
	2nd	3. Study and Practice of connection & Reverse the direction of rotation of Single Phase Induction motor.
4th	1st	3. Study and Practice of connection & Reverse the direction of rotation of Single Phase Induction motor. [cont.]
	2nd	Doubt clearing class
5th	1st	4. Study of Star-Delta starter, connection and running a 3-phase Induction motor and measurement of starting current.
	2nd	4. Study of Star-Delta starter, connection and running a 3-phase Induction motor and measurement of starting current. [cont.]
6th	1st	5. Study of Auto transformer starter connection and running a 3-phase induction motor and measurement of starting current.
	2nd	5. Study of Auto transformer starter connection and running a 3-phase induction motor and measurement of starting current. [cont.]
7th	1st	6. Study of rotor resistance starter connection and running a 3-phase induction motor and measurement of starting current.
	2nd	6. Study of rotor resistance starter connection and running a 3-phase induction motor and measurement of starting current.[CONT.]
8th	1st	Doubt clearing class
	2nd	7. Synchronization of two alternators by 2 bright and 1 dark lamp method.
9th	1st	7. Synchronization of two alternators by 2 bright and 1 dark lamp method. [cont.]
	2nd	8. OC and SC test of alternator and determination of regulation by synchronous impedance method.
10th	1st	8. OC and SC test of alternator and determination of regulation by synchronous impedance method. [cont.]
	2nd	9. Determination of regulation of alternator by direct loading.

11th	1st	9. Determination of regulation of alternator by direct loading. [cont.]
	2nd	Doubt clearing class
12th	1st	10. Connection of 3-phase energy meter to a 3-phase load.
	2nd	10. Connection of 3-phase energy meter to a 3-phase load. [cont.]
13th	1st	Doubt clearing class
	2nd	11. Study of Buchholz's relay.
14th	1st	11. Study of Buchholz's relay. [cont.]
	2nd	12. Study of an O.C.B.
15th	1st	12. Study of an O.C.B. [cont.]
	2nd	Doubt clearing class