

LESSON PLAN FOR ACADEMIC SESSION:- 2022-23

Discipline:- Electrical Engineering	Semester:- 5th	Name of the teaching faculty:-Sri SIBA SANKAR MAHAPATRA, Sr. Lect in EE
Subject:- Pr.1 ELECTRICAL MACHINE LAB-II	No. of days/ per week class allotted:-02	Semester from:-15-09-2022 TO 22-12-2022 No. of weeks:13
Week	Class day	Theory
1st	1st(20.09.2022)	Study of (Manual and Semi automatic) Direct on Line starter, Star-Delta starter, connection and running a 3-phase Induction motor and measurement of starting current
	2 nd (21.09.2022)	Study of (Manual and Semi automatic) Auto transformer starter and rotor resistance starter connection and running a 3-phase induction motor and measurement of starting current
2nd	1 st (27.09.2022)	Study and Practice of connection & Reverse the direction of rotation of Three Phase Induction motor
	2 nd (28.09.2022)	Study and Practice of connection & Reverse the direction of rotation of Three Phase Induction motor
3rd	1 st (11.10.2022)	Study and Practice of connection & Reverse the direction of rotation of Single Phase Induction motor
	2 nd (12.10.2022)	Study and Practice of connection & Reverse the direction of rotation of Single Phase Induction motor
4th	1 st (18.10.2022)	Heat run test of 3-phase transformer
	2 nd (19.10.2022)	Heat run test of 3-phase transformer
5th	1 st (25.10.2022)	OC and SC test of alternator and determination of regulation by synchronous impedance method.
	2 nd (26.10.2022)	OC and SC test of alternator and determination of regulation by synchronous impedance method.
6th	1st(01.11.2022)	Determination of regulation of alternator by direct loading.
	2 nd (02.11.2022)	Determination of regulation of alternator by direct loading.
7th	1 st (09.11.2022)	Parallel operation of two alternators and study load sharing.
8th	1 st (15.11.2022)	Measurement of power of a 3-phase Load using two wattmeter method and verification of the result using one 3-phase wattmeter.
	2 nd (16.11.2022)	Measurement of power of a 3-phase Load using two wattmeter method and verification of the result using one 3-phase wattmeter.
9th	1 st (22.11.2022)	Connection of 3-phase energy meter to a 3-phase load.
	2 nd (23.11.2022)	Connection of 3-phase energy meter to a 3-phase load.
10th	1st (29.11.2022)	Study of an O.C.B.
	2 nd (30.11.2022)	Study of an O.C.B.

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11th	1st (06.12.2022)	Study of induction type over current / reverse power relay.
	2 nd (07.12.2022)	Study of induction type over current / reverse power relay.
12th	1 st (13.12.2022)	Study of Buchholz's relay.
	2 nd (14.12.2022)	Study of Buchholz's relay.
13th	1 st (20.12.2022)	Study of an earth fault relay
	2 nd (21.12.2022)	Study of an earth fault relay



Teaching Faculty



Program Coordinator (E.E)



**Academic
Coordinator**



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