ACADEMIC LESSON PLAN OF WINTER 2023

Discipline: ELECTRICAL	Semester:5TH Sem (G2 Sec- A)	Name of the Teaching Faculty: Amit Kumar Bisoyi and BiswanitaSahu
Subject: ELECTRICAL Machine Lab – II	No. of days/per week class allotted: 2p(3hr)/week	Semester From: 1st Aug 2023 to 30th Nov 2023 No. of Weeks: 17 weeks
1st	1st	EXP-1. Study of Direct on Line starter, Star-Delta starter, connection and running a 3-phase Induction motor and measurement of starting current (cont..)
	2nd	EXP-1. Study of Direct on Line starter, Star-Delta starter, connection and running a 3-phase Induction motor and measurement of starting current
2nd	1st	EXP-2. Study of Auto transformer starter and rotor resistance starter connection and running a 3-phase induction motor and measurement of starting current(cont..)
	2nd	EXP-2. Study of Auto transformer starter and rotor resistance starter connection and running a 3-phase induction motor and measurement of starting current
3rd	1st	EXP-3. Study and Practice of connection & Reverse the direction of rotation of Three Phase Induction motor(cont..)
	2nd	EXP-3. Study and Practice of connection & Reverse the direction of rotation of Three Phase Induction motor
4th	1st	EXP-4. Study and Practice of connection & Reverse the direction of rotation of Single Phase Induction motor.. (cont..)
	2nd	EXP-4. Study and Practice of connection & Reverse the direction of rotation of Single Phase Induction motor.
5th	1st	EXP-5. Heat run test of 3-phase transformer(cont..)
	2nd	EXP-5. Heat run test of 3-phase transformer
6th	1st	EXP-6. OC and SC test of alternator and determination of regulation by synchronous impedance method. (cont..)
	2nd.	EXP-6. OC and SC test of alternator and determination of regulation by synchronous impedance method.
7th	1st	EXP-7. Determination of regulation of alternator by direct loading (cont..)
	2nd	EXP-7. Determination of regulation of alternator by direct loading
8th	1st	EXP-8. Parallel operation of two alternators and study load sharing(cont..)
	2nd	EXP-8. Parallel operation of two alternators and study load sharing
9th	1st	EXP-9. Measurement of power of a 3-phase Load using two wattmeter method and verification of the result using one 3-phase wattmeter(cont..)
	2nd	EXP-9. Measurement of power of a 3-phase Load using two wattmeter method and verification of the result using one 3-phase wattmeter
10th	1st	EXP-10. Connection of 3-phase energy meter to a 3-phase load (cont..)
	2nd	EXP-10. Connection of 3-phase energy meter to a 3-phase load
11th	1st	EXP-11. Study of an O.C.B. (cont..)
	2nd	EXP-11. Study of an O.C.B.
12th	1st	EXP-12. Study of induction type over current / reverse power relay (cont..)
	2nd	EXP-12. Study of induction type over current / reverse power relay
13th	1st	EXP-13. Study of Buchholz's relay(cont..).
	2nd	EXP-13. Study of Buchholz's relay.
14th	1st	EXP-14. Study of an earth fault relay (cont..)
	2nd	EXP-14. Study of an earth fault relay
15th	1st	EXP-15. Dismantling of a single phase capacitor motor and study its winding connection (cont..)
	2nd	EXP-15. Dismantling of a single phase capacitor motor and study its winding connection
16th	1st	Revision Class
	2nd	Revision Class
17th	1st	Revision Class
	2nd	Revision Class

Signature of Teaching Faculty