

LESSON PLAN

BIT POLYTECHNIC, BALAORE

DEPARTMENT OF ELECTRICAL ENGINEERING

SUBJECT: ELECTRICAL LAB PRACTICE –II

Periods: 2 per week

SEMESTER: 5th

NAME OF FACULTY: Er. Bikash narayn singh

No. of weeks: 15

Week	Class Day	Theory / Practical Topics
1st	1 st	EXP-1. Study of Direct on Line starter, Star-Delta starter, connection and running a 3-phase Induction motor and measurement of starting current.
	2 nd	EXP-1. Study of Direct on Line starter, Star-Delta starter, connection and running a 3-phase Induction motor and measurement of starting current
2 nd	1 st	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..)
	2 nd	EXP-2. Study of Auto transformer starter and rotor resistance starter connection and running a 3-phase induction motor and measurement of starting current
3 rd	1 st	EXP-3. Study and Practice of connection & Reverse the direction of rotation of Three Phase Induction motor(cont..)
	2 nd	EXP-3. Study and Practice of connection & Reverse the direction of rotation of Three Phase Induction motor
4 th	1 st	EXP-4. Study and Practice of connection & Reverse the direction of rotation of Single Phase Induction motor.. (cont..)
	2 nd	EXP-4. Study and Practice of connection & Reverse the direction of rotation of Single Phase Induction motor.
5 th	1 st	EXP-5. Heat run test of 3-phase transformer(cont..)
	2 nd	EXP-5. Heat run test of 3-phase transformer
6 th	1 st	EXP-6. OC and SC test of alternator and determination of regulation by synchronous impedance method. (cont..)
	2 nd	EXP-6. OC and SC test of alternator and determination of regulation by synchronous impedance method.
7 th	1 st	EXP-7. Determination of regulation of alternator by direct loading (cont..)
	2 nd	EXP-7. Determination of regulation of alternator by direct loading
8 th	1 st	EXP-8. Parallel operation of two alternators and study load sharing(cont..)
	2 nd	EXP-8. Parallel operation of two alternators and study load sharing
9 th	1 st	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..)
	2 ND	EXP-9. Measurement of power of a 3-phase Load using two wattmeter method and verification of the result using one 3-phase wattmeter
10 th	1 st	EXP-10. Connection of 3-phase energy meter to a 3-phase load (cont..)
	2 nd	EXP-10. Connection of 3-phase energy meter to a 3-phase load
11 th	1 st	EXP-11. Study of an O.C.B. (cont..)
	2 nd	EXP-11. Study of an O.C.B.
12 th	1 st	EXP-12. Study of induction type over current / reverse power relay (cont..)

	2 nd	EXP-12. Study of induction type over current / reverse power relay
13 th	1 st	EXP-13. Study of Buchholz's relay(cont..).
	2 nd	EXP-13. Study of Buchholz's relay.
14 th	1 st	EXP-14. Study of an earth fault relay (cont..)
	2 nd	EXP-14. Study of an earth fault relay
15 th	1 st	EXP-15. Dismantling of a single phase capacitor motor and study its winding connection (cont..)
	2 nd	EXP-15. Dismantling of a single phase capacitor motor and study its winding connection

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