



**GOVT. POLYTECHNIC KORAPUT  
DEPARTMENT OF ELECTRICAL ENGG.**

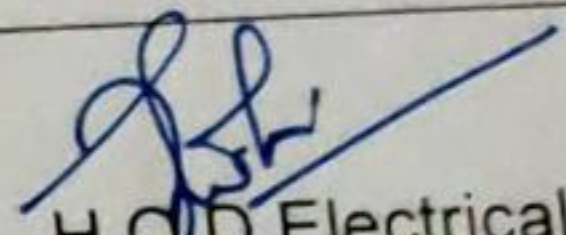
Discipline: ELECTRICAL	Semester: 5 <sup>TH</sup> Sem	Name of the Teaching Faculty: Ruhia Hansda
Subject: ELECTRICAL MACHINE LAB - II	No. of days/per week class allotted: 2p(3hr)/week	Semester From: No. of Weeks: 15
1 <sup>st</sup>	1 <sup>st</sup>	EXP-1. Study of Direct on Line starter, Star-Delta starter, connection and running a 3-phase Induction motor and measurement of starting current (cont..)
	2 <sup>nd</sup>	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 <sup>nd</sup>	1 <sup>st</sup>	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 <sup>nd</sup>	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 <sup>rd</sup>	1 <sup>st</sup>	EXP-3. Study and Practice of connection & Reverse the direction of rotation of Three Phase Induction motor(cont..)
	2 <sup>nd</sup>	EXP-3. Study and Practice of connection & Reverse the direction of rotation of Three Phase Induction motor
4 <sup>th</sup>	1 <sup>st</sup>	EXP-4. Study and Practice of connection & Reverse the direction of rotation of Single Phase Induction motor.. (cont..)
	2 <sup>nd</sup>	EXP-4. Study and Practice of connection & Reverse the direction of rotation of Single Phase Induction motor.
5 <sup>th</sup>	1 <sup>st</sup>	EXP-5. Heat run test of 3-phase transformer(cont..)
	2 <sup>nd</sup>	EXP-5. Heat run test of 3-phase transformer
6 <sup>th</sup>	1 <sup>st</sup>	EXP-6. OC and SC test of alternator and determination of regulation by synchronous impedance method. (cont..)
	2 <sup>nd</sup>	EXP-6. OC and SC test of alternator and determination of regulation by synchronous impedance method.
7 <sup>th</sup>	1 <sup>st</sup>	EXP-7. Determination of regulation of alternator by direct loading (cont..)
	2 <sup>nd</sup>	EXP-7. Determination of regulation of alternator by direct loading
8 <sup>th</sup>	1 <sup>st</sup>	EXP-8. Parallel operation of two alternators and study load sharing(cont..)
	2 <sup>nd</sup>	EXP-8. Parallel operation of two alternators and study load sharing
9 <sup>th</sup>	1 <sup>st</sup>	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 <sup>nd</sup>	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 <sup>th</sup>	1 <sup>st</sup>	EXP-10. Connection of 3-phase energy meter to a 3-phase load (cont..)
	2 <sup>nd</sup>	EXP-10. Connection of 3-phase energy meter to a 3-phase load
11 <sup>th</sup>	1 <sup>st</sup>	EXP-11. Study of an O.C.B. (cont..)
	2 <sup>nd</sup>	EXP-11. Study of an O.C.B.
12 <sup>th</sup>	1 <sup>st</sup>	EXP-12. Study of induction type over current / reverse power relay (cont..)
	2 <sup>nd</sup>	EXP-12. Study of induction type over current / reverse power relay
13 <sup>th</sup>	1 <sup>st</sup>	EXP-13. Study of Buchholz's relay(cont..).



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	2 <sup>nd</sup>	EXP-13. Study of Buchholz's relay.
14 <sup>th</sup>	1 <sup>st</sup>	EXP-14. Study of an earth fault relay (cont..)
	2 <sup>nd</sup>	EXP-14. Study of an earth fault relay
15 <sup>th</sup>	1 <sup>st</sup>	EXP-15. Dismantling of a single phase capacitor motor and study its winding connection (cont..)
	2 <sup>nd</sup>	EXP-15. Dismantling of a single phase capacitor motor and study its winding connection

Signature of concerned faculty

  
H.O.D Electrical