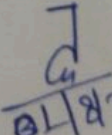


Discipline – Electrical Engg	Semester -5 th Grp-1 & 2	NAME OF THE TEACHING FACULTY-JYOTIRMAYEE SETHY, LECTURER (ELECT.) RINA RANI SOREN, L.A(ELECT.)	
SUB-EM LAB-II	No Of Days Per Week Class Alloted- 12 P	SEMESTER FROM 01.08.2023 TO 30.11.2023	
WEEK	CLASS DAY	PRACTICALS	STATUS
1 st WEEK	1 st day 2 nd day 3 rd day 4 th day	1. 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 WEEK	1 st day 2 nd day 3 rd day 4 th day	1. 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	
3 rd WEEK	1 st day 2 nd day 3 rd day 4 th day	2. 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.	
4 th WEEK	1 st day 2 nd day 3 rd day 4 th day	3. Study and Practice of connection & Reverse the direction of rotation of Three Phase Induction motor.	
5 th WEEK	1 st day 2 nd day 3 rd day 4 th day	4. Study and Practice of connection & Reverse the direction of rotation of Single Phase Induction motor.	
6 th WEEK	1 st day 2 nd day 3 rd day 4 th day	5. Heat run test of 3-phase transformer.	
7 th WEEK	1 st day 2 nd day 3 rd day 4 th day	6. OC and SC test of alternator and determination of regulation by synchronous impedance method.	
8 th WEEK	1 st day 2 nd day 3 rd day 4 th day	7. Determination of regulation of alternator by direct loading.	


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9 th WEEK	1 ST day 2 nd day 3 rd day 4 th day	8. Parallel operation of two alternators and study load sharing	
10 th WEEK	1 ST day 2 nd day 3 rd day 4 th day	9. Measurement of power of a 3-phase Load using two wattmeter method and verification of the result using one 3-phase wattmeter.	
11 th WEEK	1 ST day 2 nd day 3 rd day 4 th day	10. Connection of 3-phase energy meter to a 3-phas	
12 th week	1 ST day 2 nd day 3 rd day 4 th day	11. Study of an O.C.B. e load.	
13 th week	1 ST day 2 nd day 3 rd day 4 th day	12. Study of induction type over current / reverse power relay.	
14 th week	1 ST day 2 nd day 3 rd day 4 th day	13. Study of Buchholz's relay.	
15 th week	1 ST day 2 nd day 3 rd day 4 th day	14. Study of an earth fault relay	

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