

LESSON PLAN FOR ACADEMIC SESSION: 2025-26 (SUMMER)

Discipline:Electrical Engineering	Semester:6th	Name of the Teaching Faculty: Pratima Bhoi (Sr. Lect.)
Subject:ELECTRICAL WORKSHOP PRACTICE LAB	No. of days / week class allotted	Semester From date: 22/12/2025 to 18/04/2026 Nos. of Weeks per semester: 15
Week	Class Day	Laboratory/Practical Topics
1 ST	1 st	Identification of single core (SC), twin core (TC), three cores (3c), four cores (4c); copper and aluminum PVC, VIR & Weather proof (WP) wire.
	2 nd	To make a married joint of 7/22 P.V.C copper wire
2 ND	1 st	Continue.....
	2 nd	To make a Tee (T) joint of 7/22 P.V.C copper wire
3 RD	1 st	Continue.....
	2 nd	Cutting of copper and aluminum cable and crimping lug to them from 2.5 mm ² to 6 mm ² cross section.
4 TH	1 st	To connect and test a fluorescent tube light.
	2 nd	To connect and test a High pressure mercury vapour lamp (H.P.M.V).
5 TH	1 st	To connect and test a sodium vapour lamp.
	2 nd	To connect and test a Metal Halide Lamp (M H Lamp)
6 TH	1 st	To connect and test a Compact Fluorescent Lamp (C.F.L)
	2 nd	Study battery charger and make charging of lead acid battery.
7 TH	1 st	Continue.....
	2 nd	Erection of residential building wiring by CTS and conduit wiring system using main two points and test installation by test lamp method and a megger
8 TH	1 st	Continue.....
	2 nd	Continue.....
9 TH	1 st	Fault Finding and repairing of ceiling Fan and observation of different parts.
	2 nd	Continue.....
10 TH	1 st	To study about different parts of DC generator with different type of faults and their remedies.
	2 nd	Continue.....
11 TH	1 st	Find out fault of DC motor starter and AC motor starter – prepare an inventory list of parts used in different starter
	2 nd	Continue.....

12 th	1 st	To dismantle, over haul and assemble a single phase capacitor start induction motor.
	2 nd	Continue.....
13 th	1 st	To dismantle, over haul and assemble a three phase squirrel cage and slip ring induction motor and to test and run it.
	2 nd	Continue.....
14 th	1 st	Overhaul of single phase / 3 phase variac.
	2 nd	Continue.....
15 th	1 st	Revision
	2 nd	Revision


 Prepared By
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