

LESSON PLAN FOR ELECTRICAL WORKSHOP PRACTICE (Pr1.)

Discipline: Electrical Engineering	Semester: 6th	Name of the Teaching Faculty: pradosh kumar panda
Subject: ELECTRICAL WORKSHOP PRACTICE	No. of days/ per week class allotted: 6	Semester From Date :15/04/2021 to Date:13/08/2021 No. of Weeks:15
Week	3 Class / Day	Theory/ Practical Topics
1st	1st	Identification of single core (SC), twin core (TC), three cores (3c), four cores (4c), copper and aluminum PVC, VIR & Weather proof (WP) wire
	2nd	preparation of Britannia T joint and Married joint
2nd	1st	Cutting copper and aluminum cable and crimping lug to them from 2.5mm ² to 6 mm ² cross section
	2nd	Cutting copper and aluminum cable and crimping lug to them from 2.5mm ² to 6 mm ² cross section
3rd	1st	Connection and testing of fluorescent tube light, high pressure M.V. lamp, sodium vapor lamp, M.H lamp, CFL and latest model lamps – measure inductance, Lux/ lumens (intensity of illumination) in each case-prepare lux table .
	2nd	Connection and testing of fluorescent tube light, high pressure M.V. lamp, sodium vapor lamp, M.H lamp, CFL and latest model lamps – measure inductance, Lux/ lumens (intensity of illumination) in each case-prepare lux table .
4th	1st	4. Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity).
	2nd	4. Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity).
5th	1st	5. Erection of residential building wiring by CTS and conduit wiring system using main two points and test installation by test lamp method and a meggar.
	2nd	5. Erection of residential building wiring by CTS and conduit wiring system using main two points and test installation by test lamp method and a meggar.
6th	1st	6. Fault finding & repairing of Ceiling Fan – prepare an inventory list of parts.
	2nd	6. Fault finding & repairing of Ceiling Fan – prepare an inventory list of parts.
7th	1st	7. Find out fault of D.C. generator, repair and test it to run.

	2nd	7. Find out fault of D.C. generator, repair and test it to run.
8th	1st	8. Find out fault of D.C. motor starters and A.C motor starter – prepare an inventory list of parts used in different starters.
	2nd	8. Find out fault of D.C. motor starters and A.C motor starter – prepare an inventory list of parts used in different starters.
9th	1st	9. Dismantle, over haul and assemble a single phase induction motor. Test and run it. prepare an inventory list.
	2nd	9. Dismantle, over haul and assemble a single phase induction motor. Test and run it. prepare an inventory list.
10th	1st	10. Dismantle over haul and assemble a three phase squirrel cage and phase wound motor. Test and run them.
	2nd	10. Dismantle over haul and assemble a three phase squirrel cage and phase wound motor. Test and run them.
11th	1st	11. Overhaul a single phase and 3-phase variac.
	2nd	11. Overhaul a single phase and 3-phase variac.
12th	1st	revision class
	2nd	revision class
13th	1st	revision class
	2nd	revision class
14th	1st	revision class
	2nd	revision class
15th	1st	revision class
	2nd	revision class

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15/04/21

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PRINCIPAL
GOVT. POLYTECHNIC, NAWARANGPUR