

LESSON PLAN

SUB:- ELECTRICAL WORKSHOP PRACTICE LAB.

BRANCH:- ELECTRICAL ENGINEERING

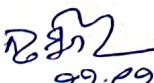
SEMESTER:- 6TH

NAME OF FACULTY:- NRUSINGH CHARAN BEHERA

GOVERNMENT POLYTECHNIC,

JAJPUR, RAGADI

SESSION:-2025-26


99.29.9098
HOD (Electrical)


Academic Co-ordinator


Principal 22/12/25
Govt. Polytechnic, Jajpur

Discipline – Electrical Engg (GROUP- 01&02)	Semester 6 th Alloted- 6 P/ week	Sub: Electrical Workshop Practice Lab (EWP) Session – 2025-26 (22/12/2025 to 18/04/2026) NAME OF THE TEACHING FACULTY- N.C BEHERA (SR. LECTURER)
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WEEK	CLASS DAY	PRACTICALS
1 st WEEK	1 ST day 2 nd day	1. Identification of single core (SC), twin core (TC), three cores (3c), four cores (4c); copper and aluminum PVC, VIR & Weather proof (WP) wire and prepare Britannia Tjoint and Married joint.
2 nd WEEK	1 ST day 2 nd day	1. Identification of single core (SC), twin core (TC), three cores (3c), four cores (4c); copper and aluminum PVC, VIR & Weather proof (WP) wire and prepare Britannia Tjoint and Married joint.
3 rd WEEK	1 ST day 2 nd day	.2. Cutting copper and aluminum cable and crimping lug to them from 2.5mm ² to 6 mm ² cross section.
4 th WEEK	1 ST day 2 nd day	3. 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
5 th WEEK	1 ST day 2 nd day	3. 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
6 th WEEK	1 ST day 2 nd day	4. Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity).
7 th WEEK	1 ST day 2 nd day	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.
8 th WEEK	1 ST day 2 nd day	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.
9 th WEEK	1 ST day 2 nd day	6. Fault finding & repairing of Ceiling Fan – prepare an inventory list of parts.
10 th WEEK	1 ST day 2 nd day	6. Fault finding & repairing of Ceiling Fan – prepare an inventory list of parts.
11 th WEEK	1 ST day 2 nd day	7. Find out fault of D.C. generator, repair and test it to run..
12 th WEEK	1 ST day 2 nd day	7. Find out fault of D.C. generator, repair and test it to run..
13 th WEEK	1 ST day 2 nd day	8. Find out fault of D.C. motor starters and A.C motor starter – prepare an inventory list of parts used in different starters.
14 th WEEK	1 ST day 2 nd day	9. Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list.
15 th WEEK	1 ST day 2 nd day	10. Dismantle over haul and assemble a three phase squirrel cage and phase wound motor. Test and run them.
16 th WEEK	1 ST day 2 nd day	11. Overhaul a single phase and 3-phase variac.

Nrusingh Charan Behera
(NRUSINGH CHARAN BEHERA)

Sr. Lecturer (Electrical)