

LESSON PLAN

DEPARTMENT OF ELECTRICAL ENGINEERING, ITT, CHOUDWAR

SUBJECT: ELECTRICAL WORK-SHOP

Periods: 6per week

SEMESTER: 6TH

NAME OF FACULTY: M.K.BEHERA & B.P SWAIN

No. of weeks: 15

Week	Class Day	Theory / Practical Topics
1st	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 and prepare Britannia Tjoint and Married joint
	2 nd	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	1 st	Cutting copper and aluminum cable and crimping lug to them from 4mm ² to 25mm ² , cross section
	2 nd	Cutting copper and aluminum cable and crimping lug to them from 4mm ² to 25mm ² , cross section
3 rd	1 st	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
	2 nd	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
4 th	1 st	Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity)
	2 nd	Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity)
5 th	1 st	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.
	2 nd	Fault finding & repairing of Fan – prepare an inventory list of parts.
6 th	1 st	Fault finding & repairing of Fan – prepare an inventory list of parts.
	2 nd	Find out fault of D.C. generator, repair and test it to run
7 th	1 st	Find out fault of D.C. generator, repair and test it to run
	2 nd	Find out fault of D.C. motor starters and A.C motor starter – prepare an inventory list of parts used in different starters
8 th	1 st	Find out fault of D.C. motor starters and A.C motor starter – prepare an inventory list of parts used in different starters
	2 nd	Use crimping tools to lug sockets on L.T. & H.T aluminum cable from 10mm ² to 50mm ² .
9 th	1 st	Use crimping tools to lug sockets on L.T. & H.T aluminum cable from 10mm ² to 50mm ² .
	2 ND	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list.
10 th	1 st	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list.
	2 nd	Dismantle over haul and assemble a three phase squirrel cage and phase wound motor. Test and run them
11 th	1 st	Dismantle over haul and assemble a three phase squirrel cage and phase

		wound motor. Test and run them
	2 nd	Overhaul a single phase
12 th	1 st	Overhaul a 3 phase variac
	2 nd	Practice
13 th	1 st	Practice
	2 nd	Practice
14 th	1 st	Practice
	2 nd	Practice
15 th	1 st	Practice
	2 nd	Sessional

Teaching faculty