

PNS SCHOOL OF ENGINEERING AND TECHNOLOGY

Branch: Electrical Engineering	Semester: 6 TH	Name of the DEMonstrator: Sushree Sangita Prusty.
Subject: EWS	No of Classes Alloted in a Week: 5	Duration of Semester: 14.2.2023 - 23.5.2023
Week	Class Day	Theory / practical Topic
1st	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 T- joint and Married joint.
	2	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 T- joint and Married joint.
	3	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 T- joint and Married joint.
	4	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 T- joint and Married joint.
	5	Cutting copper and aluminum cable and crimping lug to them from 2.5mm ² to 6 mm ² cross section.
2nd	1	Cutting copper and aluminum cable and crimping lug to them from 2.5mm ² to 6 mm ² cross section.
	2	Cutting copper and aluminum cable and crimping lug to them from 2.5mm ² to 6 mm ² cross section.
	3	Cutting copper and aluminum cable and crimping lug to them from 2.5mm ² to 6 mm ² cross section.
	4	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	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
3rd	1	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	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
	3	Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity)
	4	Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity)
	5	Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity)
4th	1	Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity)
	2	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
	3	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
	4	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
	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

5th	1	Fault finding & repairing of Ceiling Fan – prepare an inventory list of parts.
	2	Fault finding & repairing of Ceiling Fan – prepare an inventory list of parts.
	3	Fault finding & repairing of Ceiling Fan – prepare an inventory list of parts.
	4	Fault finding & repairing of Ceiling Fan – prepare an inventory list of parts.
	5	Find out fault of D.C. generator, repair and test it to run.
6th	1	Find out fault of D.C. generator, repair and test it to run.
	2	Find out fault of D.C. generator, repair and test it to run.
	3	Find out fault of D.C. generator, repair and test it to run.
	4	Find out fault of D.C. motor starters and A.C. motor starter – prepare an inventory list of parts used in different starters.
	5	Find out fault of D.C. motor starters and A.C. motor starter – prepare an inventory list of parts used in different starters.
7th	1	Find out fault of D.C. motor starters and A.C. motor starter – prepare an inventory list of parts used in different starters.
	2	Find out fault of D.C. motor starters and A.C. motor starter – prepare an inventory list of parts used in different starters.
	3	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list.
	4	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list.
	5	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list.
8th	1	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list.
	2	Dismantle over haul and assemble a three phase squirrel cage and phase wound motor. Test and run them.
	3	Dismantle over haul and assemble a three phase squirrel cage and phase wound motor. Test and run them.
	4	Dismantle over haul and assemble a three phase squirrel cage and phase wound motor. Test and run them.
	5	Dismantle over haul and assemble a three phase squirrel cage and phase wound motor. Test and run them.
9th	1	Overhaul a single phase and 3-phase variac.
	2	Overhaul a single phase and 3-phase variac.
	3	Overhaul a single phase and 3-phase variac.
	4	Overhaul a single phase and 3-phase variac.

Signature of the
Demonstrator

Signature of the
H.O.D.