

ACADEMIC LESSON PLAN FOR SUMMER 2023

Discipline	Semester: - 6th (SEC-B)	Name of the Teaching Faculty: - Lucky Rani Behuria & Susanta Ku. Paramanik
Subject: - ELECTRICAL WORKS PRACTICE	No of Days/per Week Class Allotted: - 6p/week	Semester From: 14th FEB 2023 to 23rd MAY2023
Week	Class Day	Theory/ Practical Topics
1 st	1 st	1. Identification of single core (SC), twin core (TC), three cores (3c), four cores (4c);copper and aluminium PVC, VIR & Weather proof (WP) wire and prepare Britannia T joint and Married joint.(Theory)
	2 nd	1. Identification of single core (SC), twin core (TC), three cores (3c), four cores (4c); copper and aluminium PVC, VIR & Weather proof (WP) wire and prepare Britannia T joint and Married joint.(Practical)
2 nd	1 st	1. Identification of single core (SC), twin core (TC), three cores (3c), four cores (4c); copper and aluminium PVC, VIR & Weather proof (WP) wire and prepare Britannia T joint and Married joint.(Practical) (contd.)
	2 nd	1. Identification of single core (SC), twin core (TC), three cores (3c), four cores (4c); copper and aluminium PVC, VIR & Weather proof (WP) wire and prepare Britannia T joint and Married joint.(Practical) (contd.)
3 rd	1 st	2. Cutting copper and aluminium cable and crimping lug to them from 4mm ² to 25mm ² cross section. .(Theory)
	2 nd	2. Cutting copper and aluminium cable and crimping lug to them from 4mm ² to 25mm ² cross section. (Practical)
4 th	1 st	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.(Theory)
	2 nd	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(practical) (contd.)
5 th	1 st	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(practical) (contd.)
	2 nd	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(practical) (contd.)
6 th	1 st	4. Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity). (Theory)
	2 nd	4. Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity). (Practical)
7 th	1 st	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. (Theory)
	2 nd	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. (Practical)
8 th	1 st	5. Erection of residential building wiring by CTS and conduit wiring system using main twopoints and test installation by test lamp method and a meggar. (Practical)(Contd.)
	2 nd	5. Erection of residential building wiring by CTS and conduit wiring system using main twopoints and test installation by test lamp method and a meggar. (Practical)
9 th	1 st	5. Erection of residential building wiring by CTS and conduit wiring system using main twopoints and test installation by test lamp method and a meggar. (Practical) (Contd.)
	2 nd	6. Fault finding & repairing of Fan – prepare an inventory list of parts. (Theory)
10 th	1 st	6. Fault finding & repairing of Fan – prepare an inventory list of parts. (practical)
	2 nd	6. Fault finding & repairing of Fan – prepare an inventory list of parts. (practical)(contd.)
11 th	1 st	7. Find out fault of D.C. generator, repair and test it to run. (Theory)

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

Signature of Teaching Faculty

