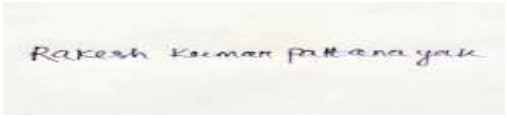
ACADEMIC LESSON PLAN FOR SUMMER 2024

Discipline **Electrical Engg.**	Semester: - **6th** **(SEC-A, GR-1)**	Name of the Teaching Faculty: - **Rakesh kumar Pattanayak & Biswanita Sahu**
Subject: - **ELECTRICAL WORKSHOP PR-01**	No of Days/per Week Class Allotted: - **6p/week**	Semester From: 16th January 2024 to 26th April 2024
Week	**Class Day**	**Theory/ Practical Topics**
1st	1st	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)
	2nd	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)
2nd	1st	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.)
	2nd	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.)
3rd	1st	2. Cutting copper and aluminium cable and crimping lug to them from 4mm^2 to 25mm^{2}cross section. .(Theory)
	2nd	2. Cutting copper and aluminium cable and crimping lug to them from 4mm^2 to 25mm^{2}cross section. (Practical)
4th	1st	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)
	2nd	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.)
5th	1st	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.)
	2nd	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.)
6th	1st	4. Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity). (Theory)
	2nd	4. Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity). (Practical)
7th	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. (Theory)
	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. (Practical)
8th	1st	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.)
	2nd	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)
9th	1st	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.)
	2nd	6. Fault finding & repairing of Fan – prepare an inventory list of parts. (Theory)
10th	1st	6. Fault finding & repairing of Fan – prepare an inventory list of parts. (practical)
	2nd	6. Fault finding & repairing of Fan – prepare an inventory list of parts. (practical)(contd.)
11th	1st	7. Find out fault of D.C. generator, repair and test it to run. (Theory)

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



Signature of Teaching Faculty

ACADEMIC LESSON PLAN FOR SUMMER 2024

Discipline **Electrical Engg.**	Semester: - **6th** **(SEC-A, GR-2)**	Name of the Teaching Faculty: - **Rakesh kumar Pattanayak &Biswanita Sahu**
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	2nd	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.)
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15th (Extra class)	1st	11. Overhaul a single phase / 3 phase variac. (Theory)
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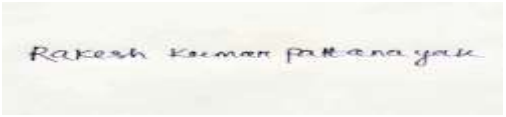

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