ACADEMIC LESSON PLAN FOR SUMMER 2024

Discipline	Semester: -	Name of the Teaching Faculty: -
	6th	Lucky Rani Behuria & Sangeeta Kumari Patro
Electrical Engg.	(SEC-B)	
Subject: -	No of Days/per	Semester From: 16 th January 2024 to 26 th April 2024
ELECTRICAL	Week Class	50m0001110m110 0mmm1 202110 20 11pm 2021
WORKSHOP	Allotted: -	
PR-01	6p/week	
Week	Classes/week	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);
2	•	copper and aluminium PVC, VIR & Weather proof (WP) wire and prepare Britannia T
		joint and Married joint.(Practical) (contd.)
	2 nd	
	<u> </u>	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
ord	₄ et	joint and Married joint.(Practical) (contd.)
$3^{\rm rd}$	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	2. Cutting copper and aluminium cable and crimping lug to them from 4mm ² to
	1 St	25mm ² cross section. (Practical)
.th	1 st	3. Connection and testing of fluorescent tube light, high pressure M.V. lamp, sodium
4^{th}		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
/	1	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
oth	1 St	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
	o nd	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
45.	~	twopoints and test installation by test lamp method and a meggar. (Practical)
$9^{ m th}$	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)
	3	
	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)
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	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
	2 nd	of parts used in different starters. (Theory) 8. Find out fault of D.C. motor starters and A.C motor starter – prepare an inventory list
	at	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)
14th	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	1 st	11. Overhaul a single phase / 3 phase variac. (Theory)
	2 nd	11. Overhaul a single phase / 3 phase variac. (Practical)

Lucky Pani Relinera

Signature of Teaching Faculty

ACADEMIC LESSON PLAN FOR SUMMER 2024

Discipline	Semester: -	Name of the Teaching Faculty: -
	6th	Rakesh kumar Pattanayak &Biswanita Sahu
Electrical Engg.	(SEC-A, GR-2)	
Subject: -	No of Days/per	Semester From: 16 th January 2024 to 26 th April 2024
ELECTRICAL	Week Class	·
WORKSHOP	Allotted: -	
PR-01	6p/week	
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)
$2^{\rm nd}$	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)
	1 st	3. Connection and testing of fluorescent tube light, high pressure M.V. lamp, sodium
4^{th}	1	vapor lamp, M.H lamp, CFL and latest model lamps – measure inductance, Lux/ lumens
7		(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
	2	vapor lamp, M.H lamp, CFL and latest model lamps – measure inductance, Lux/ lumens
5 th	1 st	(intensity of illumination) in each case prepare lux table(practical) (contd.)
3	1	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
	2 nd	(intensity of illumination) in each case prepare lux table(practical) (contd.)
	2	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
c th	1 st	(intensity of illumination) in each case prepare lux table(practical) (contd.)
6 th	1	4. Study battery charger and make charging of lead acid battery (record charging voltage,
	and	current and specific gravity). (Theory)
	2 nd	4. Study battery charger and make charging of lead acid battery (record charging voltage,
th	ot	current and specific gravity). (Practical)
$7^{ m th}$	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.)
	_	propare an inventory list of parts. (practical) (collid.)

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)
14th	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