

Discipline <b>Electrical Engg.</b>	Semester: - 6 <sup>th</sup> (2nd shift) Gr-1	Name of the Teaching Faculty: - Lucky Rani Behuria & Amita Basti
Subject: - <b>ELECTRICAL WORKS PRACTICE</b>	No of Days/per Week Class Allotted: - <b>6p/week</b>	Semester From: 16 <sup>th</sup> april 2021 to 30 <sup>th</sup> june 2021
<b>Week</b>	<b>Class Day</b>	<b>Theory/ Practical Topics</b>
1 <sup>st</sup>	15/3/22	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)
	16/3/22	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 <sup>nd</sup>	22/3/22	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.)
	23/3/22	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 <sup>rd</sup>	29/3/22	2. Cutting copper and aluminium cable and crimping lug to them from 4mm <sup>2</sup> to 25mm <sup>2</sup> cross section. .(Theory)
	30/3/22	2. Cutting copper and aluminium cable and crimping lug to them from 4mm <sup>2</sup> to 25mm <sup>2</sup> cross section. (Practical)
4 <sup>th</sup>	5/4/22	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)
	6/4/22	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 <sup>th</sup>	12/4/22	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.)
	12/4/22	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 <sup>th</sup>	19/4/22	4. Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity). (Theory)
	20/4/22	4. Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity). (Practical)
7 <sup>th</sup>	26/4/22	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)
	27/4/22	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 <sup>th</sup>	3/5/22	<b>Holiday</b>
	4/5/22	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.)
9 <sup>th</sup>	10/5/22	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)
	11/5/22	6. Fault finding & repairing of Fan – prepare an inventory list of parts. (Theory)
10 <sup>th</sup>	17/5/22	6. Fault finding & repairing of Fan – prepare an inventory list of parts. (practical)
	18/5/22	6. Fault finding & repairing of Fan – prepare an inventory list of parts. (practical)(contd.)
11 <sup>th</sup>	24/5/22	7. Find out fault of D.C. generator, repair and test it to run. (Theory)
	25/5/22	7. Find out fault of D.C. generator, repair and test it to run. (practical)
12 <sup>th</sup>	31/5/22	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)
	1/6/22	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 <sup>th</sup>	7/6/22	9. Dismantle, over haul and assemble a single-phase induction motor. Test and run it. – prepare an inventory list. (Theory)
	8/6/22	9. Dismantle, over haul and assemble a single-phase induction motor. Test and run it. – prepare an inventory list. (Practical)
14 <sup>th</sup>	Extra class	10. Dismantle over haul and assemble a three-phase squirrel cage and phase wound

		motor. Test and run them. (Theory)
	Extra class	10. Dismantle over haul and assemble a three-phase squirrel cage and phase wound motor. Test and run them. (Practical)
15 <sup>th</sup>	Extra class	11. Overhaul a single phase / 3 phase variac. (Theory)
	Extra class	11. Overhaul a single phase / 3 phase variac. (Practical)

Signature of Teaching Faculty

Discipline <b>Electrical Engg.</b>	Semester: - 6th (2nd shift) Gr-2	Name of the Teaching Faculty: - Lucky Rani Behuria & Amita Basti
Subject: - <b>ELECTRICAL WORKS PRACTICE</b>	No of Days/per Week Class Allotted: - <b>6p/week</b>	Semester From: 10 <sup>th</sup> Mar 2022 to 10 <sup>th</sup> Jun 2022
<b>Week</b>	<b>Class Day</b>	<b>Theory/ Practical Topics</b>
1 <sup>st</sup>	10/3/22	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)
	11/3/22	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 <sup>nd</sup>	17/3/22	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)
	18/3/22	<b>Hoilday</b>
3 <sup>rd</sup>	24/3/22	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)
	25/3/22	2. Cutting copper and aluminium cable and crimping lug to them from 4mm <sup>2</sup> to 25mm <sup>2</sup> cross section. .(Theory)
4 <sup>th</sup>	31/3/22	2. Cutting copper and aluminium cable and crimping lug to them from 4mm <sup>2</sup> to 25mm <sup>2</sup> cross section. (Practical)
	1/4/22	<b>Hoilday</b>
5 <sup>th</sup>	7/4/22	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)
	8/4/22	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)
6 <sup>th</sup>	14/4/22	<b>Hoilday</b>
	15/4/22	<b>Hoilday</b>
7 <sup>th</sup>	21/4/22	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
	22/4/22	4. Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity). (Theory)
8 <sup>th</sup>	28/4/22	4. Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity). (Practical)
	29/4/22	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. (Theory)
9 <sup>th</sup>	5/5/22	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)
	6/5/22	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)
10 <sup>th</sup>	12/5/22	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)
	13/5/22	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)
11 <sup>th</sup>	19/5/22	6. Fault finding & repairing of Fan – prepare an inventory list of parts. (Theory)
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	27/5/22	7. Find out fault of D.C. generator, repair and test it to run. (Theory)
13 <sup>th</sup>	9/6/22	7. Find out fault of D.C. generator, repair and test it to run. (practical)
	10/6/22	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)

14 <sup>th</sup>	Extra class	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)
	Extra class	9. Dismantle, over haul and assemble a single-phase induction motor. Test and run it. – prepare an inventory list. (Theory)
15 <sup>th</sup>	Extra class	9. Dismantle, over haul and assemble a single-phase induction motor. Test and run it. –
	Extra class	prepare an inventory list. (Practical)
16 <sup>th</sup>	Extra class	10. Dismantle over haul and assemble a three-phase squirrel cage and phase wound motor. Test and run them. (Theory)
	Extra class	10. Dismantle over haul and assemble a three-phase squirrel cage and phase wound motor. Test and run them. (Practical)
17 <sup>th</sup>	Extra class	11. Overhaul a single phase / 3 phase variac. (Theory)
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