

## LESSON PLAN

<b>Discipline:</b> Electrical. Engg.	<b>Semester:</b> Sixth(6 <sup>th</sup> )	<b>Name of the Lab I/C:</b> Er S.S Dash
<b>Subject:</b> Electrical Workshop practice	<b>No. Of Days/Week Class Allotted:</b> Six (6)	<b>Semester from Date:</b> 14.02.23 <b>to Date:</b> 23.05.23  <b>No. of Weeks:</b> 15
<b>WEEK</b>	<b>CLASS DAY</b>	<b>PRACTICAL EXPERIMENTS</b>
1 <sup>st</sup>	1 <sup>st</sup>	Connection and Testing of fluorescent lamp, high pressure M.V. Lamp, and sodium vapour lamp, metal halide lamps, CFL and latest model lamps – measure inductance of each choke.
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
	4 <sup>th</sup>	
	5 <sup>th</sup>	
	6 <sup>th</sup>	
2 <sup>nd</sup>	1 <sup>st</sup>	
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
	4 <sup>th</sup>	
	5 <sup>th</sup>	
	6 <sup>th</sup>	
		Review class
3 <sup>rd</sup>	1 <sup>st</sup>	Study battery charger and make charging of lead acid battery (record charging voltage, current and specific gravity)
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
	4 <sup>th</sup>	
	5 <sup>th</sup>	
	6 <sup>th</sup>	
4 <sup>th</sup>	1 <sup>st</sup>	
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
	4 <sup>th</sup>	
	5 <sup>th</sup>	
	6 <sup>th</sup>	
		Review class
5 <sup>th</sup>	1 <sup>st</sup>	Identification of single core (SC), twin core (TC), three cores (3C), four cores(4C); copper and aluminum PVC, VIR wire and prepare Britannia T-joint and Married joint.
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
	4 <sup>th</sup>	
	5 <sup>th</sup>	
	6 <sup>th</sup>	
		Review class
6 <sup>th</sup>	1 <sup>st</sup>	Fault finding & repairing of Ceiling fan-prepare an inventory list of parts
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
	4 <sup>th</sup>	
	5 <sup>th</sup>	
	6 <sup>th</sup>	
		Review class
7 <sup>th</sup>	1 <sup>st</sup>	Cutting copper and aluminum cable and crimping lug to them from 2.5mm <sup>2</sup> to 6mm <sup>2</sup> cross section.
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
	4 <sup>th</sup>	
	5 <sup>th</sup>	
	6 <sup>th</sup>	
		Review class

8 <sup>th</sup>	1 <sup>st</sup>	Find out fault of D. C. motor starter and A.C. Motor Starter-prepare inventory list of parts used in different starters.
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
	4 <sup>th</sup>	
	5 <sup>th</sup>	
	6 <sup>th</sup>	
9 <sup>th</sup>	1 <sup>st</sup>	
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
	4 <sup>th</sup>	
	5 <sup>th</sup>	
	6 <sup>th</sup>	Review class
10 <sup>th</sup>	1 <sup>st</sup>	Dismantle, over haul and assemble a single-phase induction motor. test and run it-prepare an inventory list
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
	4 <sup>th</sup>	
	5 <sup>th</sup>	
	6 <sup>th</sup>	Review class
11 <sup>th</sup>	1 <sup>st</sup>	Overhaul of single phase/3 phase Variac
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
	4 <sup>th</sup>	
	5 <sup>th</sup>	
	6 <sup>th</sup>	Review class
12 <sup>th</sup>	1 <sup>st</sup>	Find out fault of D.C. Generator, repair and test it to run.
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
	4 <sup>th</sup>	
	5 <sup>th</sup>	
	6 <sup>th</sup>	Review class
13 <sup>th</sup>	1 <sup>st</sup>	Erection of residential building wiring by CTS and conduit wiring system using main two points and test installation by test lamp method and a megger
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	
	4 <sup>th</sup>	
	5 <sup>th</sup>	
	6 <sup>th</sup>	Review class
14 <sup>th</sup>	1 <sup>st</sup>	Revision class
	2 <sup>nd</sup>	Revision class
	3 <sup>rd</sup>	Revision class
	4 <sup>th</sup>	Revision class
	5 <sup>th</sup>	Revision class
	6 <sup>th</sup>	Revision class
15 <sup>th</sup>	1 <sup>st</sup>	Revision class
	2 <sup>nd</sup>	Revision class
	3 <sup>rd</sup>	Revision class
	4 <sup>th</sup>	Revision class
	5 <sup>th</sup>	Revision class
	6 <sup>th</sup>	Revision class