## **LESSON PLAN**

Discipline:	Semester:	Name of the Lab I/C: Er. T K Swain/ Er D.
Electrical. Engg.	Fourth(4 <sup>th</sup> )	Moharana/ Er. P.K Sahoo
Subject:	No. of Days/Week Class	<b>Semester from Date:</b> 16.01.24 <b>to Date:</b> 26.04.24
Electrical Drawing	<b>Allotted:</b> Six (6)	No. of Weeks: 15
(Pr 4)	97 199 7 177	
WEEK	CLASS DAY	PRACTICAL EXPERIMENTS
	1 <sup>st</sup>	3-point D.C. motor starter
1 <sup>st</sup>	2 <sup>nd</sup>	
	3 <sup>rd</sup>	1
	4 <sup>th</sup>	4-point D.C. motor starter
	5 <sup>th</sup>	
	6 <sup>th</sup>	
	$\frac{1^{\text{st}}}{2^{\text{nd}}}$	DOL starter
2 <sup>nd</sup>	$\frac{2}{3^{\text{rd}}}$	DOL Starter
	4 <sup>th</sup>	
	5 <sup>th</sup>	Star delta starter
	$\frac{5}{6^{ ext{th}}}$	Star derta starter
	1 <sup>st</sup>	
	$\frac{1}{2^{\text{nd}}}$	Auto transformer starter, Rotor resistance starter
3 <sup>rd</sup>	$3^{\text{rd}}$	
	4 <sup>th</sup>	Pole with pole shoes (D.C.)
	5 <sup>th</sup>	Tole with pole shoes (B.C.)
	$6^{th}$	
	1 <sup>st</sup>	Commutator (D.C)
	$2^{\text{nd}}$	Community (210)
4 <sup>th</sup>	$\frac{2}{3^{\text{rd}}}$	
	4 <sup>th</sup>	
	5 <sup>th</sup>	Simple lap winding
	6 <sup>th</sup>	
	1 <sup>st</sup>	
	$2^{\mathrm{nd}}$	Simple wave winding
5 <sup>th</sup>	3 <sup>rd</sup>	
	4 <sup>th</sup>	
	5 <sup>th</sup>	continue
	6 <sup>th</sup>	
	1 <sup>st</sup>	Stepped core type
#h	2 <sup>nd</sup>	
6 <sup>th</sup>	3 <sup>rd</sup>	
	4 <sup>th</sup>	continued
	5 <sup>th</sup>	
th	6 <sup>th</sup>	
$7^{ m th}$	1 <sup>st</sup>	Plane shell type
	2 <sup>nd</sup>	
	3 <sup>rd</sup>	To all the state of
	4 <sup>th</sup>	Earthing installation
	5 <sup>th</sup>	
	6 <sup>th</sup>	
	1 <sup>st</sup> 2 <sup>nd</sup>	Continued
8 <sup>th</sup>		
δ	3 <sup>rd</sup>	

	4 <sup>th</sup>	Double pole structure for LT distribution line
	5 <sup>th</sup>	Double pole structure for L1 distribution line
	$\frac{5}{6^{\text{th}}}$	
	1 <sup>st</sup>	Single line diagram of 33/11kv distribution substation.
	$2^{\text{nd}}$	Single fine diagram of 33/11kV distribution substation.
9 <sup>th</sup>	$\frac{2}{3^{\text{rd}}}$	
	$\frac{3}{4^{\text{th}}}$	Continue 1
	5 <sup>th</sup>	Continued
	$\frac{5}{6^{\text{th}}}$	
	1 <sup>st</sup>	Charle line discourse of a 11/0 Alexa discollection
	_	Single line diagram of a 11/0.4 kv distribution
1 Oth	2 <sup>nd</sup>	substation.
10 <sup>th</sup>	3 <sup>rd</sup>	
	4 <sup>th</sup>	Draw Electrical symbols (take Print out)
	5 <sup>th</sup>	
	6 <sup>th</sup>	
<u>_</u>	1 <sup>st</sup>	Draw D.C. m/c parts (take print out)
th	2 <sup>nd</sup>	
11 <sup>th</sup>	3 <sup>rd</sup>	
	4 <sup>th</sup>	
	5 <sup>th</sup>	Draw A. C. m/c parts (take print out)
	6 <sup>th</sup>	
	1 <sup>st</sup>	
	$2^{\rm nd}$	Continued
	3 <sup>rd</sup>	
12 <sup>th</sup>	$4^{ ext{th}}$	Draw electrical layout of diagram of Electrical
	5 <sup>th</sup>	Installation of a building.
	6 <sup>th</sup>	Revision
	1 <sup>st</sup>	Revision
	$\frac{1}{2^{\text{nd}}}$	ICCVISION
13 <sup>th</sup>	$\frac{2}{3^{\text{rd}}}$	
13	4 <sup>th</sup>	Revision
	5 <sup>th</sup>	Kevision
_	$\frac{5}{6^{ ext{th}}}$	
	6 1 <sup>st</sup>	Revision
	$\frac{1}{2^{\text{nd}}}$	Revision
14 <sup>th</sup>	$\frac{2}{3^{\text{rd}}}$	
14		n · ·
	4 <sup>th</sup>	Revision
	5 <sup>th</sup>	
	6 <sup>th</sup>	D
_	1 <sup>st</sup>	Revision
1 with	2 <sup>nd</sup>	
15 <sup>th</sup>	3 <sup>rd</sup>	
	4 <sup>th</sup>	Revision
	5 <sup>th</sup>	
	6 <sup>th</sup>	