



		diagram		transformer by actually loading it
	Day 3	Transformer – neglecting voltage drop in the windings –		
	Day 4	Ampere turn balance – its phasor diagram		
10 <sup>th</sup>	Day 1	Mutual and leakage fluxes, leakage reactance	Day1	Checking the polarity of the windings of a three phase transformer and connecting the windings in various configurations
	Day 2	Transformer on load, voltage drops and its phasor diagram		
	Day 3	Equivalent circuit diagram		
	Day 4	Relation between induced emf and terminal voltage		
11 <sup>th</sup>	Day 1	voltage regulation of a transformer-mathematical relation	Day1	Finding the voltage and current relationships of primary and secondary of a three phase transformer under balanced load in various configuration conditions such as Star-Star, Star-delta.
	Day 2	Losses in a transformer		
	Day 3	Open circuit and		
	Day 4	Short circuit test.		
12 <sup>th</sup>	Day 1	Calculation of efficiency, condition for maximum efficiency-maintenance of Transformer, scheduled Maintenance		Delta-star Delta – Delta configuring conditions
	Day 2	Auto transformer construction, working and applications	Day1	
	Day 3	Different types of transformers including dry type transformer.		
	Day 4	Rating and Specifications of single phase transformer		
13 <sup>th</sup>	Day 1	Revision/Assignment Checking	Day1	Practical Quiz No.1/ Revision and file checking
	Day 2	<b>4: Three Phase Transformer</b>		
	Day 3	Construction of three phase transformers and accessories of transformers such as Conservator,		
	Day 4	breather, Buchholtz Relay, Tap Changer (off load and on load) (Brief idea)		
14 <sup>th</sup>	Day 1	Types of three phase transformer i.e. delta-delta, delta-star, star-delta and star-star	Day1	Viva-voice/Practice of experiment
	Day 2	Star delta connections (relationship between phase and line voltage, phase and line current)		
	Day 3	Conditions for parallel operation (only conditions are to be studied)		
	Day 4	On load tap changer		
15 <sup>th</sup>	Day 1	Difference between power and distribution transformer	Day1	Revision and checking
	Day 2	Cooling of transformer		
	Day 3	Rating and Specifications of three phase transformers		
	Day 4	Revision/Assignment Checking		