

	Variable losses equal to constant losses.			
b)	Derive the approximate equivalent circuit of a single phase	7	3	1,2
-	transformer.			
6. a)	Explain, How will you classify DC generators in detail? and also	7	4	1,2
	explain the types of DC generators.			
b)	Explain the construction of DC machine with neat diagram.	7	4	1,2
7. a)	Derive Torque Equation of a 3-Phase Induction Motor?	7	4	1,2
b)	Explain the principle of operation of an Alternator with a neat	7	4	
	sketch.			
8. a)	Mention the Disadvantages of low power factor, and Explain how	7	5	1,3
	this can be Improved.			
b)	What are the various components of LT switchgear? Explain the	7	5	1,3
	importance of these components.			

