

SYLLABUS :-

1.Determination of P- $\cos\phi$ and Q-V characteristics of a grid connected synchronous machine.2.Loading characteristics of an induction generator (self excited and grid connected)3.Operation of grounding transformer under different fault conditions4.Operating characteristics of a 3-phase, 3-winding transformer under balanced and unbalanced loading conditions.5.Over current and under voltage protection schemes.6.Directiona l over current protection relay characteristics.7.Differential relay protection scheme.8.Digital relay and design of distance protection scheme.9.High Voltage Power Frequency Test 10.Impulse Voltage TestCondition Monitoring of Distribution Transformer