

Lecture 49

1. Two wattmeters are connected to measure the power input to a 3 phase circuit indicate 8kW and 0.8kW ,the later reading being obtained after reversing the voltage coil connection. Find power factor of the load . Also find total active and reactive powers.
  
2. Three Equal Impedances, each consisting of R and C in series are connected in star and are supplied from 400V,50Hz, supply system. The power input to the load is measured by two wattmeter method. And the two wattmeters read 3kW and 1kW. Determine the values of R and C connected in each phase.