

Chapter 9

1. What is a three-phase system, and what are its advantages over a single-phase system?
2. Compare the current and voltage relationships in a wye connection with those in a delta connection.
3. What is meant by a balanced three-phase load?
4. How is power factor corrected in a three-phase system?
5. What means is available for measuring power in a three-phase system without breaking into the circuit? How is this done?
6. Explain what is meant by phase sequence.
7. Make a sketch showing how the phase sequence may be reversed at the terminals of a three-phase induction motor.
8. What effect does reversing the phase sequence have on a three-phase induction motor?