

## Chapter 18

1. Explain how motor torque is developed.
2. What is the function of the commutator in a DC motor?
3. How can a DC motor be reversed?
4. What is the function of interpoles and compensating windings?
5. Explain why a running motor develops a counter voltage. What is the relative magnitude of this voltage compared with the driving voltage?
6. Why is additional resistance needed to limit the current when starting a DC motor?
7. What is meant by the base speed of a DC motor? What methods are used to adjust the speed above and below the base speed?
8. What precautions should be observed when increasing the resistance of a rheostat in series with the shunt-field circuit? Explain.
9. What effect does an open in the shunt-field circuit have on the performance of a lightly loaded motor?
10. What is a compound motor?