1. What is the CEC definition of “Utilization Equipment”?
2. What information is used by the Electrician to determine connection details for appliances?
3. What condition must be met for a motor to be controlled by a standard single-pole switch?
4. Does an across-the-line manual motor starter require an additional disconnect switch for a motor?
5. Is an isolating switch permissible for a motor disconnecting means?
6. What is the maximum distance for a disconnecting means from a motor?
7. What is the maximum distance for a disconnecting means from AC equipment?
8. Is a disconnect switch for motor permitted to be installed more than 9 m away?
9. What is the minimum amperage rating for conductors supplying a motor with a nameplate rating of 18 A?
10. What is the minimum size conductor (R90 in conduit) required for the motor above?
11. What are three conditions that must be met for a motor not to require overload protection?
12. What size overload protection is required for the motor in question 9 if the service factor is 1.10?
13. What size overload protection is required for the motor in question 9 if the service factor is 1.15?
14. When using the percentages listed in Table 29 for motor overcurrent protection and the result does not correspond to a standard fuse size, do we go to the next larger or smaller value?
15. What is the maximum allowable percentage of the motor FLA for an instant-trip circuit breaker?
16. What is the maximum allowable percentage of the motor FLA for a time-delay fuse?
17. What is the maximum allowable percentage of the motor FLA for a time-delay fuse if it won’t start on a 175% fuse?
18. Is it permissible to connect two motors to the same branch circuit?
19. What is the minimum allowable ampacity of feeders feeding three motors with FLA ratings of 20 A, 15 A, and 10 A?
20. What is the minimum allowable ampacity of feeders feeding three motors with FLA ratings of 50 A, 25 A, and 20 A?
21. What is the minimum size R90 copper conductor (3 in cable) for the feeder above?
22. What is the maximum size non-time-delay fuse for the feeder in Question 20?
23. All electrical equipment must be bonded to ground. True or False
24. What is the volt-ampere rating of a three-phase 208 V, 30 A circuit?
25. What does Rule 4-006 state?