Name:_____ Class:_____ Date:_____

Unit 2 Fractional and Integral Horsepower Manual Motor Starters

1. Large motors should be connected directly across the line on startup.
   a. True
   b. False

   ANSWER: False
   POINTS: 1
   REFERENCES: Fractional Horsepower Manual Motor Starters

2. In the event of a power failure, a manual starter motor automatically restarts when the power returns.
   a. True
   b. False

   ANSWER: True
   POINTS: 1
   REFERENCES: Fractional Horsepower Manual Motor Starters

3. Common applications of automatic starters provide control of small machine tools, fans, pumps, oil burners, blowers, and unit heaters.
   a. True
   b. False

   ANSWER: False
   POINTS: 1
   REFERENCES: Automatic and Remote Operation

4. When an overload relay trips, the starter mechanism unlatches, opening the contacts to stop the motor.
   a. True
   b. False

   ANSWER: True
   POINTS: 1
   REFERENCES: Manual Push-Button Line Voltage Starters

5. Only one overload relay is required in either the single-pole or double-pole motor starter.
   a. True
   b. False

   ANSWER: True
   POINTS: 1
   REFERENCES: Thermal Overload Protection

6. A motor may draw up to a ____ percent current surge on starting.
   a. 100 b. 300
   c. 600 d. 900

   ANSWER: c
   POINTS: 1
   REFERENCES: Fractional Horsepower Manual Motor Starters

7. A manual starter is a(n) ____ with motor overload protection.
   a. pressure switch b. limit switch
   c. on-off switch d. float switch

   ANSWER: c
   POINTS: 1
   REFERENCES: Fractional Horsepower Manual Motor Starters

8. Manual push-button starters may be used to control single-phase motors rated up to ____.
   a. 5 hp b. 10 hp
   c. 15 hp d. 20 hp

   ANSWER: a
   POINTS: 1
   REFERENCES: Manual Push-Button Line Voltage Starters

9. Manual push-button starters are designed for infrequent starting of ____.
   a. small AC motors b. large DC motors
   c. small DC motors d. large AC motors

   ANSWER: a
   POINTS: 1
   REFERENCES: Manual Push-Button Line Voltage Starters

10. Thermal overload units are widely used on both the fractional and integral horsepower manual starters for protection of motors from sustained electrical overcurrents that could result from overloading of the driven machine or from ____.
    a. excessively low line voltage b. excessively low power load
    c. excessively high line voltage d. excessively high power load

    ANSWER: a
    POINTS: 1
    REFERENCES: Thermal Overload Protection